WORLD RADIO HANDBOOK

for listeners

BROADCASTING
TELEVISION

1957

The Gramophone Company Ltd.

The Marconiphone Company Ltd.

Columbia Graphophone Company Ltd.

The Parlophone Company Ltd.

Capitol Records

M. G. M. Records

Emidicta

Electric & Musical Industries Ltd.

EMITAPE

Electric & Musical Industries Ltd.

EMISONIC

Electric & Musical Industries Ltd.

E.M.I.

INTERNATIONAL LTD.

- RADIO
- RADIOGRAMS
- RECORDS
- RECORD REPRODUCERS
- TELEVISION
- HOUSEHOLD APPLIANCES
- VALVES
- OFFICE DICTATION SYSTEMS
- PORTABLE GRAMOPHONES
- PROFESSIONAL TAPE RECORDERS
- EMITAPE
- HIGH FIDELITY SOUND REPRODUCERS
- TAPE RECORDS

Export Distributing Organisation

E·M·I INTERNATIONAL LTD

HAYES · MIDDLESEX · ENGLAND

EX27

Advertisement EMI International

MESSAGES FOR THE WORLD RADIO HANDBOOK

Peter Aylen

UNITED NATIONS

The year 1956, with its expansion of United Nations membership from 60 to 76, has been for us in the UN Radio Division a year of challenge and of opportunity.

The opportunity lay in our being able to carry word about the aims and activities of the World Organisation to millions more in many parts of the world. The challenge was posed by the need to reach these millions in an idiom with which they are familiar.

This meant that in making the fullest use of our opportunity and in meeting the challenge adequately, we needed authentic, accurate and comprehensive information about the radio and television patterns and facilities of our new target areas.

In the context of all this diverse information the World Radio Handbook has played its part. We have always found this publication a reliable, comprehensive and readily-accessible source of up-to-date information on programmes, transmitters and wavelengths of radio stations all over the world. It continues to be most useful to those of us who are responsible for establishing and maintaining necessary links with national radio services.

Today, with our expanded contacts with national radio organisations, we have all the more reasons to express to you our genuine appreciation of the valuable contribution which you are making to the field of international broadcasting through the publication of The World Radio Handbook for Listeners.

Peter Aylen,
Director, Radio Division
United Nations

UNESCO

The 1956 edition of the World Radio Handbook has just been published. The handbook, which has become an institution in the radio profession, offers a practical survey of radio and television services in most countries. It is a useful tool in helping broadcasters promote programme exchanges and liaison with radio organizations in other countries. It is also a valuable means of increasing international listening audiences.

Unesco Bulletin.

UNITED STATES INFORMATION AGENCY:

It gives me a great deal of pleasure to congratulate you on the Tenth Anniversary of the publication of the WORLD RADIO-TELEVISION HANDBOOK. The publication of the information concerning all international broadcasting stations helps to promote a better understanding between the peoples of the world. We at the U.S. Information Agency have the same objective and appreciate the facts that the WORLD RADIO-TELEVISION HANDBOOK is available as a source for the program schedules of our Voice of America. We hope that the coming years will be as successful as the first ten in the life of the WORLD RADIO-TELEVISION HANDBOOK.

Theodore C. Streibert
Director, U.S. Information Agency.

ARMED FORCES RADIO AND TELEVISION SERVICE:

I wish to assure you that the latest edition of your very excellent publication, World Radio Handbook, was received by us and perused with great interest. You have done a fine job with this publication, and I am sure it will find multitudes of interested listeners the world over. I wish also to assure you that the handbook has been placed in the hands of our news feature people for appropriate mention on our shortwave transmissions. Again, congratulations on your outstanding publication, and best wishes for its continued success.

Joseph J. Koshire, CWO, USA Adjutant

INTER-AMERICAN ASSOCIATION OF BROADCASTERS

We are happy to be able to congratulate you with the WRH, which after our opinion as a reference book of great value for as well listeners as broadcasting organizations.

Julio Menadier Carrasco, Director General

CAMARA ARGENTINA DE TELEVISION

My personal congratulations on the WRH, for a publication of great clarity, accuracy and abundance of information, for the patient painstaking work of getting together so many details which are presented in the Handbook as a valuable panoramic view of radio communications. I think every owner of a radio set all over the world should have his WRH.

E. E. Grinberg, President

ISRAEL BROADCASTING SERVICE

Your handbook has proved to be a most valuable source of information and we are happy to cooperate with you. Harry Zinder, Director Gen.

MANILA BROADCASTING COMPANY

As for the message expressing the value and purpose of the WRH, we find it an invaluable source of worldwide information and data, that is a MUST for any or all commercial broadcasting stations to possess. World Radio Handbook is rated by us down here as the Encyclopedia of Radio Broadcasting facilities. Guillermo Hernandez, Comptroller

NEW ZEALAND BROADCASTING SERVICE

May we conclude by wishing you every success with the 11th edition of your world famous Radio Handbook.

A. L. Curry, Director
Short Wave Service

EL SECRATARIO NACIONAL DE RADIODIFUSION DEL MOVIMIENTO

I congratulate you with the tenth edition of yours WRH which improves the already great advantages of previous numbers. Indeed, – this book increases the international understanding with the exchange of informaion, and therefore, it deserves our best wishes.

Jose Luis, Garcia Casás

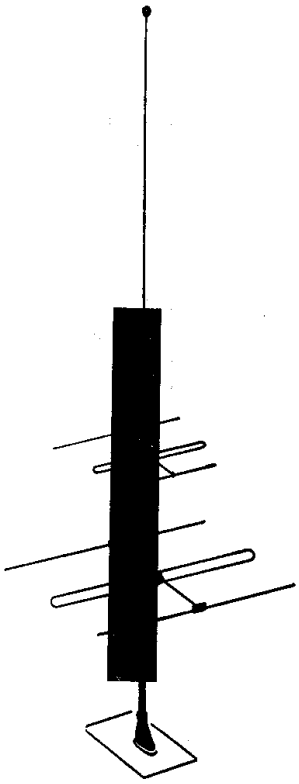
Continued page 33

Peter Aylen Messages for the World Radio Handbook

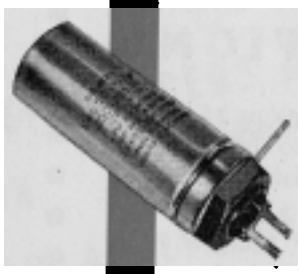
SIEMENS
RADIO

RADIO RECEIVERS

R 172 E



ANTENNAS



COMPONENTS

TUBES,
SEMICONDUCTORS

Soundsystems,
measuring equipments
for radio repair shops

RADIO RECEIVERS

All Branches of Radio Engineering

In all branches of radio engineering our laboratories and factories are continuously at work on development and improvement. Inventions and experience drawn from all neighboring fields — in which we are likewise active — are simultaneously evaluated as to their possible application in radio engineering as well.

SIEMENS & HALSKE AKTIENGESELLSCHAFT
BERLIN · MÜNCHEN

Advertisement Siemens

For the promotion of a better understanding between the peoples of the world.

Recommended by:

United Nations. Unesco.

European Broadcasting Union, Genève.

International Broadcasting Organization (O.I.R.), Prague.

AUSTRALIA: Australian Broadcasting Commission (incl. Radio Australia).

AUSTRIA: Österreichischer Rundfunk (Offentliche Verwaltung für das Österreichische Rundspruchwesen).

BELGIUM: The Belgian National Broadcasting Service.

BURMA: Burma Broadc. Service

CANADA: Canadian Broadcasting Corporation.

CYPRUS: Cyprus Broadcasting Service. – Near East Arab Broadcasting Station.

CZECHOSLOVAKIA: Ceskoslovensky rozhlas.

DENMARK: Danish State Radio. – The Danish Society.

EIRE: Radio Eireann.

FINLAND: The Finnish Broadcasting Company,

FRANCE: Radiodiffusion - Television Francaise.

GERMANY: Deutsche Welle. – Bayerischer Rundfunk. – Hessischer Rundfunk.–Nordwestdeutscher Rundfunk. – Süddeutscher Rundfunk. – Südwestfunk.

GREAT BRITAIN: British Broadcasting Corporation commends the aims of the WRH.

GREECE: National Broadcasting Institute

HOLLAND: Radio Nederland Wereldomroep.

HUNGARY: Hungarian Broadcasting Service.

INDIA: All India Radio.

INDONESIA: Radio Republic Indonesia.

IRAN: Radio Teheran.

ISRAEL: Israel Broadc. Service.

ITALY: RAI – Radio Italiana

JAPAN: NHK – Broadcasting Corporation of Japan.

NORWAY: Norsk Rikskringkasting.

PAKISTAN: Radio Pakistan.

POLAND: Polskie Radio.

PORTUGAL: Emissora Nacional de Radiodifusao.

RUMANIA: Comitetul de Rad

SAAR: Radio Saarbrücken.

SPAIN: Radio Nacional de Espana. – Sociedad Espanola de Radiodifusion.

SWEDEN: Swedish Broadcasting Corporation.

SWITZERLAND: Swiss Broadcasting Corporation.

TURKEY: Radio Ankara.

UNION OF SOUTH AFRICA: South African Broadc. Corp.

USA: The Voice of America.

VATICAN STATE: Vatican Radio.

More recommendations in separate pamphlet.

WORLD RADIO HANDBOOK

BROADCASTING-TELEVISION 1957

including World-wide Radio WHO's WHO

Eleventh Edition

WORLD COPYRIGHT BY O. LUND JOHANSEN

Lindorfsalle 1 . Hellerup . Copenhagen . Denmark

★

ALL RIGHTS RESERVED

★

Published and edited by

O. LUND JOHANSEN

Manuscript completed November 1956

Next Edition to be published in November 1957

★

Published in English and German

Cover design: Kjeld Vibholm

Printed in Denmark by Det Berlingske Bogtrykkeri · Copenhagen

TABLE OF CONTENTS

Preface 5
What has UNESCO to do with Radio 7
How to use the World Radio Handbook 10, 13, 16
European Broadcasting Organization 15
International Broadcasting Organization 15
Asociacion Interamericana de Radiodifusion (AIR) 15, 16
UNESCO 16
Time in all countries 18, 169
WRH is read all over the world 21
International Allocation of Call-Signs 22
Table of the most suitable metre bands for the best short wave reception 24
Broadcasting Receivers in the World 31
Messages for the WRH - page vis a vis the titlepage and 33
The use of the different bands 33
Abbreviations 35
Standard-Frequency Stations 142
A World-Survey of Television ..... 144—149
Directory of Advertisers 150
Long- and Mediumwave Stations ..... 151—154
Shortwave Stations of the World ..... 155—168
Last minute information and corrections 169, 170
DX-Programmes 169
Cooperating DX-Clubs 170
Representatives and Collaborators 170
World Charts: Europe 28 —, Africa 79 —, East 91 —, Pacific 107 —, North America 115 —, Central America 115, 119 —, South America 119.
Pictures from the Radio World .. 27, 81, 93, 123

Aden 88
Afghanistan 88
Alaska 112
Albania 37
Algeria 76
Andorra 37
Angola 76
Aruba 128
Argentina 130
Australia 104
Austria 37
Azores 37
Bahamas BWI 121
Bahrain 88
Barbados BWI 121
Bechuanaland 77
Begian Congo ... 77, 169
Belgium 38, 169
Bermuda BWI 121
Bolivia 131
Borneo, North 92
Brazil 132
Bulgaria 39, 169
Burma 92
Cambodia 96
Cameroon 77
Canada 112
Canary Islands 77
Canton Island 108
Cape Verde Islands . 78
Ceylon 92
Chile 134
China, Peoples Rep. of 94
Colombia 135
Cook Islands 108
Costa Rica 121
Cuba 121
Curacao 128
Cyprus 88
Czechoslovakia .. 39, 169
Dahomey 78
Denmark 40
Dominican Republic . 122
Ecuador 137
Egypt 78
El Salvador 124, 169
Eritrea 80
Ethiopia 78
Falkland Islands 139
Faroe Islands 40
Fiji Islands 108
Finland 41
France 41
Fr. Equat. Africa 80, 169
Germany Federal Rep. 42, 169
Germany Dem. Rep. . 49
Gilbert and Ellice Islands 108
Goa 94
Gold Coast 80
Great Britain 50, 169
Greece 53
Greenland 54
Guadeloupe 124
Guam 109
Guatemala 124
Guiana, British 139
Guiana, Dutch 140
Guiana, French 139
Guinea, French 80
Guinea, Portuguese . 80
Guinea, Spanish 80
Haiti 125
Hawaii 108
Holland 54
Honduras, Rep. 126
Honduras, British .. 126
Hong Kong 94
Hungary 56
Iceland 56
India 95
Indo-China 96
Indonesia 97
Iran 88
Iraq 89
Ireland 57
Israel 89
Italy 57
Ivory Coast 82
Jamaica BWI 126
Japan 98
Johnston Island 109
Jordan 89
Kashmir 101
Kenya 82
Korea, North 101
Korea, South 101
Kuwait 89
Laos 96
Lebanon 89
Leeward Islands 126
Liberia 82
Libya 82
Luxembourg 58
Macau 101
Madagascar 82
Madeira 59
Malaya 101
Malta 59
Marianas Island 109
Marshall Islands 109
Martinique 126
Mauritius 82
Mexico 126
Midway Island 109
Monaco 59
Morocco, French 83
Morocco, Spanish ... 83
Mozambique 84
Nepal 102
Netherlands Antilles 128
New Caledonia 109
New Guinea, Austr. . 109
New Guinea, Dutch . 109
New Zealand 109
Nicaragua 128
Nigeria 84
Norfolk Island 109
Norway 59
Pakistan 102
Panama 129
Paraguay 139
Peru 139
Philippines 109
Poland 60
Portugal 161
Puerto Rico 130
Reunion 85
Rhodesia, Northern . 84
Rhodesia, Southern . 85
Rumania 62
Ryukyu Islands 111
Saar 63
Samoa 111
Sao Tomé 85, 169
Sarawak 103
Saudi Arabia 90
Senegal 85
Seychelles 85
Sierra Leone 85
Solomon Islands 111
Somaliland, British . 86
Somaliland, French . 86
Somaliland, Ital. 86
Spain 63, 169
St. Pierre & Miquelon 120
Sudan 86
Surinam 140
Sweden 66
Switzerland 70
Syria 90, 169
Tahiti 111
Tanganyika 86
Taiwan 103
Tangier 86
Thailand 104
Trinidad BWI 130
Togo 87
Tunisia 87
Turkey 90
Uganda 87
Union of South Africa 87
United Nations . 120, 170
United States 114
Uruguay 140
USSR 73
Vatican State 75
Venezuela 141
Vietnam 96
Virgin Islands 130
Volcano Islands 104
Windward Islands .. 130
Yemen 92
Yugoslavia 75, 169
Zanzibar 88

THE LATEST NEWS: The W. R.-BULLETIN carries every fortnight the latest news from broadcasting stations all over the world: New stations, frequencies, powers, schedules etc. Corrections to the WORLD RADIO HANDBOOK. — **Subscription rates:** By airmail: Dan. Kr. 36.00, $ 5.50, £ 2/- /-, DM. 22.00, Frcs. 1800. Quarterly: Dan. Kr. 10.00, $ 1.50, £ 0/11/-, DM. 6.00, Frcs. 500. By ordinary mail annually: Dan. Kr. 22.00, $ 3.50, £ 1/6/0, DM. 15.00, Frcs. 1100. Quarterly: Dan. Kr. 6.00, £ 0/7/0, $ 1.25, DM. 4.25, Frcs. 300.

The Editor of the World Radio Handbook seeks information from all stations engaged in broadcasting and interested in international broadcasting and publish the information as they communicated to him by the stations. The Editor cannot be held responsible for the correctnes of these information or for not publishing schedules and other particulars of stations, which do not supply the information or for changes in the times and wavelengths of programmes made after the current edition has gone to press. **We ask you to pay attention to the last minute information and corrections page 169.**

The VOICE OF AMERICA

broadcasts

IN 43 LANGUAGES

OVER A NETWORK OF 83 TRANSMITTERS

AROUND THE CLOCK

AROUND THE GLOBE

U.S. INFORMATION AGENCY

WASHINGTON, D.C.

advettisement VoA Voice of America US Information agency

From Europe's Cross-roads . . . .

SWITZERLAND CALLING:

The World's Sports Fans
Music-lovers
Youth
Shut-ins
Quiz Experts
Women
DXers and SWLs

with gay music of the mountains
classical melodies
request programmes

unbiased news and commentaries
outside broadcasts
interviews with leading personalities

SBC

EVERY DAY & ALL DAY

(for full information see page 70)

advertisement SRI Bern Swiss Switzerland calling

PREFACE

The Head of UNESCO's *Radio Division, Walter Steigner, has kindly sent us the following preface to the eleventh edition of* WRH:

Is it really necessary to write a foreword to this World Radio Handbook?

Not if it is to inform readers of the usefulness and the necessity of a work of reference which is as indispensable as a telephone directory. This fact has been fully proved by the first ten years of the World Radio Handbook's existence.

However, there *is* a reason for a foreword. In this handbook, all radio and television stations are peacably united. But the situation on the ether is not quite so peaceful...

A great effort will be required on the part of all those of good will if the peace that exists in the pages of the World Radio Handbook is to be brought to the waves of broadcasting.

The young people of to-day can hardly realize how great is this gift that we call radio to humanity. The older ones among us will not forget, however, how amazed we were when for the the first time – with the aid of a detector apparatus – we were able to receive music and words out of the air.

A great gift, which can be both good and bad. Good, when it serves understanding between nations. free exchange of news, of culture and of freedom. Bad, when it serves to teach contempt of other nations and races, when it restrains freedom and preaches political agitation.

The World Radio Handbook is to be congratulated on giving in its collection of all radio and television stations an objective picture of the world of radio. If we are to improve things, we must base ourselves on facts.

It is the desire of all listeners that radio should serve the cause of peace. When will it be possible to write a post-scriptum to the sad chapter of the history of radio. the chapter of war on the ether? The World Radio Handbook would be happy to be able to publish this postscriptum soon, and knows that here it has the support of all those who are active in radio and television, and all those who – as inhabitants of our world which has become so small in this era of technique – appreciate radio and television as a means of entertainment, instruction and teaching.

Walter Steigner

Director UNESCO RADIODIVISION

I hope that with this edition of the World Radio and Television Handbook it has been possible to bring the contents a step nearer perfection, and that it will be received with the same satisfaction as the earlier editions by radio stations, readers and advertizers all over the world. The result is primarily due to the ever increasing interest shown in the work of WRH by all broadcasting organisations, radio and television stations, and numerous listeners all over the globe, who are asked to accept my sincere thanks for valuable cooperation and many friendly and encouraging letters during the course of the year. I trust that the same will prove to be the case in the future.

My greatest wish for the coming year is that the radio war in the ether may cease, that the jamming stations stop their activities and allow broadcasting to serve its actual purpose: the promotion of understanding between the peoples of the earth. A continuation of the radio war serves no purpose other then the reciprocal destruction of all broadcasts.

Finally, hearty thanks to the United Nations and UNESCO's Radio Divisions, to the European Broadcasting Organization at Geneva, the International Broadcasting Organization at Prague, Asociacion Inter-Americana Radiodifusion in Chile, many Danish Embassies, Legations and Consulates abroad, and the Danish Society for valuable assistance in the past year.

DEUTSCHE WELLE

Kurzwellendienst der Arbeitsgemeinschaft der öffentlich-rechtlichen Rundfunkanstalten der Bundesrepublik Deutschland

---

The VOICE OF GERMANY, Deutsche Welle is beamed to the

FAR EAST

NEAR AND MIDDLE EAST

AFRICA

SOUTH AMERICA

NORTH AMERICA

NEWS IN 5 LANGUAGES

Programme suggestions and reception reports are very much welcomed, letters should be adressed to

DEUTSCHE WELLE – KÖLN

Funkhaus, Wallrafplatz, Germany

Detailed reports are answered by QSL card

Please refer to page 42 for details

advertisement Deutsche Welle

WHAT HAS UNESCO TO DO WITH RADIO?

(A simple question – a rather difficult answer)

Unesco is happy to serve the radio organizations of the world and this in a purely, practical field in this connection, I may mention the agreement on the importation of sound recordings of an eductional, scientific or cultural character for use exclusively in public or private educational, scientific or cultural institutions or societies, including, at the discretion of the importing country, broadcasting organizations—duty free!

That is surely a practical contribution and a success which Unesco will endeavour to enlarge upon. It was a clear sign of bureaucracy that, when faced by the demands of new developments of science and technique, Customs authorities would not let a tape through without charge, whereas the same tape could be played over by telephone from one country to another.

Anyone who has ever spoken to a television reporter who has tried to cross from one country into another with his obviously valuable equipment, will be amazed by the difficulties which have to be faced at the customs, despite the fact that radio and television are, after all, intended to help different nations and cultures to get to know each other. Along this prickly path Unesco is active too. But here it is necessary, first of all, to gather all the basic material and facts, in order to create new international agreements. Unesco is examining the conditions governing the temporary import, for programme exchanges, of technical equipment used in broadcasting or television. A preliminary study of this question led to the conclusion that the best way of carrying out this enquiry was to send a questionnaire to all radio and television organizations in Member States, asking them to specify the nature and extent of the difficulties encountered by them in practice. Questions concerned not only exchanges of programmes already recorded, but also cases in which a broadcasting organization sends one or more technicians with the necessary equipment to another country for the preparation or retransmission of a programme on the spot. A study of particular instances, which might be indicated by those concerned, would make it possible to carry out a thorough enquiry into this whole problem, which is daily assuming greater importance owing to the remarkable expansion of broadcasting and television.

Unesco is working in these fields, which in Unesco-language are called "Free flow of information" and "Removal of obstacles". And at the same time, the sad fact of the battle of the wavelengths, which is in the process of killing short-wave, encourages us again and again to search for solutions and progress—even if only small—towards peace on the ether. Here, questions of technique are mixed up with questions in other highly significant fields which an international organization like ours must approach with great care and tact.

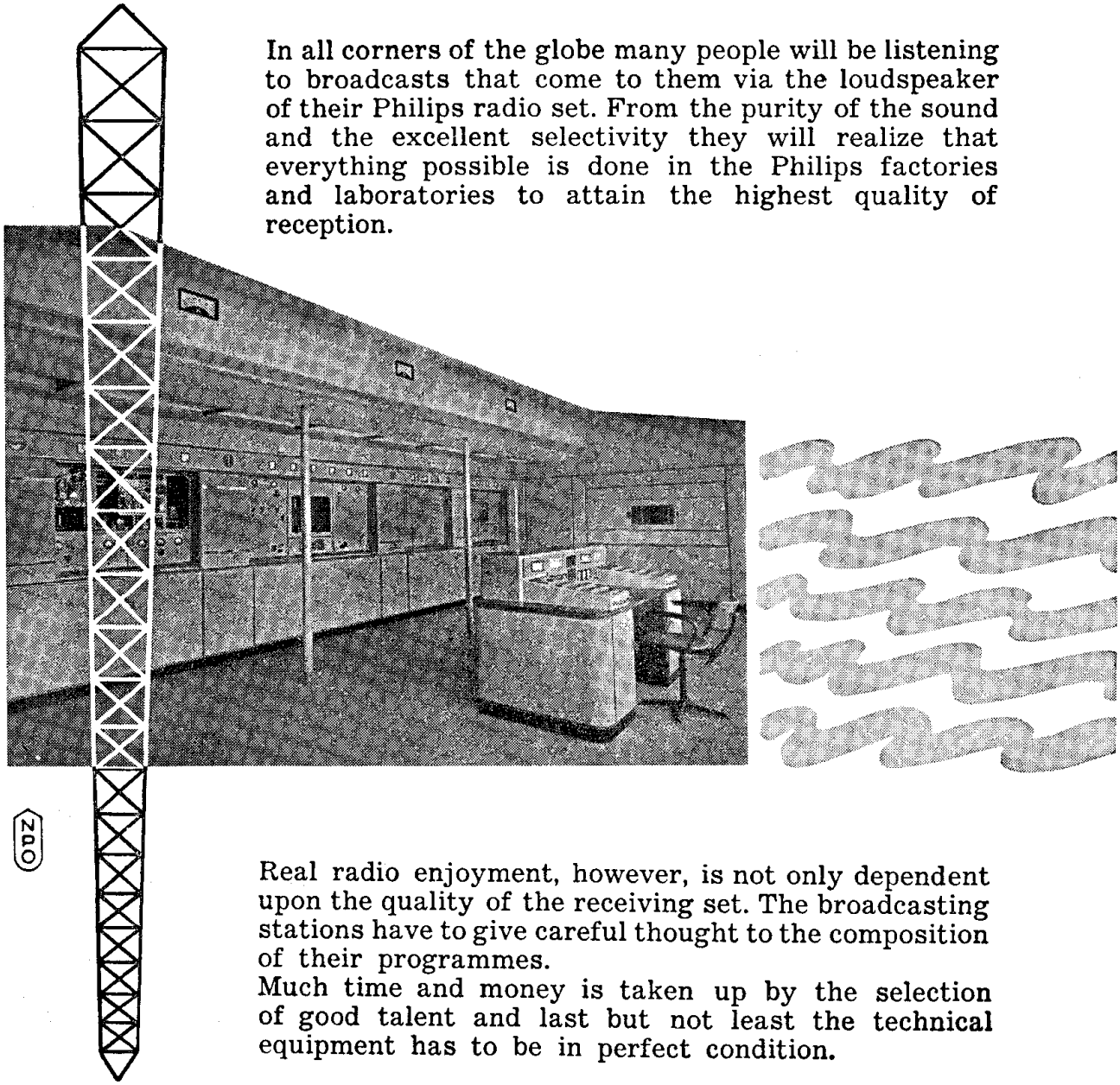
If Unesco-Radio Division concerns itself with programmes, this is not in order to interfere where we are not wanted, for instance, in the tasks and work of existing international radio organization. But where promotion of culture, science and education is concerned, help can only be welcome and if there are gaps in international collaboration of radio, Unesco would seem—by the will of its Member States—to be there to close these very gaps. In May of last year (1956), we had the pleasure of bringing together in Unesco House, Paris, outstanding programme directors and radio authors from the 12 most important radio countries in the world. The main purpose of this meeting was to provide the participants with an opportunity of exchanging their experiences and techniques with regard to cultural broadcasts and also discussing the possibilities of more programme exchanges. A comprehensive series of reports was submitted by the Secretariat and discussed by the meeting. These reports and a summary of the discussion were made availlabe to radio broadcasting organizations in all Member States.

After a particularly fruitful exchange of ideas the participants drew up a statement from which I quote: "While there is already considerable international exchange of programmes, notably in some areas of the world, an increase—particularly in programmes of a cultural nature—is highly desirable. Each country, should make its best programmes freely available to all other countries wishing to use them..."

We hope, this year, to be able to invite experts of programme exchange, chiefs of international relations, together with programme directors, in order to compare the outstanding achievements of different radio organizations and to establish new personal contacts. And we are happy to note, that these efforts are meeting with great interest. Radio and television are not opponents; they are here to work together. The competition with television will give wings to radio to improve the cultural quality of its own programmes and programme exchange, and vice-versa.

Unesco has just completed its first decade in the work for peace and progress. This is a short period for such a great task. Rome was not built in a day; it might be possible to build a better world, if we never lose courage nor patience. Radio has a strong influence on public opinion—and it is for this reason that Unesco has to do with radio.

A quality link between



In all corners of the globe many people will be listening to broadcasts that come to them via the loudspeaker of their Philips radio set. From the purity of the sound and the excellent selectivity they will realize that everything possible is done in the Philips factories and laboratories to attain the highest quality of reception.

Real radio enjoyment, however, is not only dependent upon the quality of the receiving set. The broadcasting stations have to give careful thought to the composition of their programmes.
Much time and money is taken up by the selection of good talent and last but not least the technical equipment has to be in perfect condition.

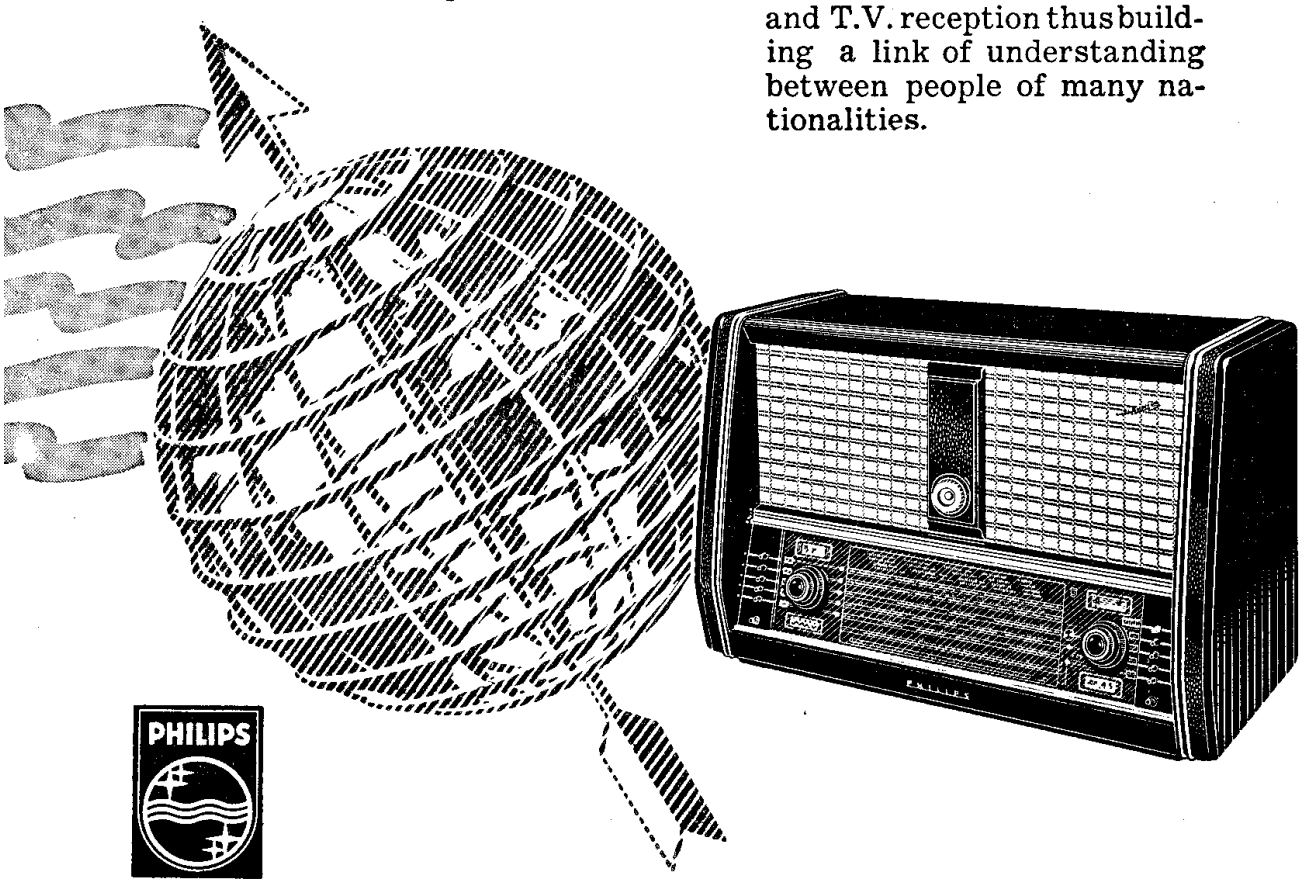
PHILIPS ***for dependable***

advertisement philips

speaker and speaker

Also at this and of the „bridge" between the listener and the studio Philips play an important part.
Just as they make many types of Philips radioplayers, they manufacture quite a range of different studio equipment and transmitters ranging from 50 watts to 100 kilowatts and comprising types for different wavelengths and modes of modulation. Also in the field of television Philips equipment forms a quality link between camera and screen.

By producing quality equipment for both the broadcasting stations and the home, Philips contribute their share towards better radio and T.V. reception thus building a link of understanding between people of many nationalities.



PHILIPS

transmission and reception

advertisement philips

HOW TO USE WORLD RADIO HANDBOOK

The practical information given in the following section in respect of the broadcasting services of each individual country includes:

Local Time and Languages used are indicated for each country.

The Addresses of the broadcasting companies in question. Where broadcasts are commercial this is stated.

Names and Titles of the leading personalities in each company.

List of Stations (A. M., F. M.) operated by each company with call signs of their transmitters, all frequencies and wavelengths (medium-, shortwave, ultrashortwave), as well as their power expressed in kilowatts or watts.

Each short-wave station has its own identification call sign consisting of 3–5 letters or a combination of letters and figures of which the first, or two first, denote the nationality in accordance with the international list of station prefixes. (See page 22.) Some short-wave stations, the American ones for example, use these call-signs when announcing themselves.

Long and medium wave stations are divided into three categories, viz. (1) **Main Stations,** which are so powerful that they can generally be heard throughout the whole area of the country in question, and from which most of the broadcasts emanate; (2) **Regional Stations,** which can be heard only within a certain area of the country, and whose broadcasts consist partly of re-transmissions of the programmes of the main stations and partly of their own programmes; (3) **Relay** and **Local Stations,** which mostly re-transmit main station programmes. These relay stations are the weakest, and are local stations which can be heard only within a limited area. The above-mentioned stations are all **AM stations,** i.e. amplitude-modulated stations. In addition, there is a fourth category of stations: 4) **FM stations,** i.e. frequency modulated stations, in order to give listeners a reception free of interference. These stations have only a very short radius, and are consequently local stations.

Most short wave stations use directional aerials, i.e. their broadcasts are directed toward particular areas, and these give the names to the various services: European Service, Near Eastern, Middle Eastern, Far Eastern, Pacific, Latin-American, Caribbean Service, etc. Language and frequency employed vary according to the area to which broadcasts are directed.

Times are shown on the 24 hours system. In this system midnight is 00.00 hrs., 3 am: 03.00 hrs., 10 am: 10.00 hrs. and midday 12.00 hrs. Instead of starting again at 1 o'clock, as the 12-hour system does, the 24-hour system continues to increase the number of each hour until 23.59 (11.59 pm.) is reached. Thus 13 hrs. is 1 pm., 17.00 hrs. 5 pm. and so on. The great advantage of the system is that it eliminates any possible confusion between times a.m. and times p.m.

On page 18 you will find a Local Time Conversion Table which gives the local times (summer and winter) in most parts of the world in relation to Greenwich Mean Time (G.M.T.). For example, from September to May it is 15.00 hours New York time when it is 20.00 hours G.M.T., since the table indicates that local time in New York is 5 hours ahead of G.M.T. From May to September U.S.A. introduces daylight saving time and, consequently, it is 16.00 hours New York time when it is 20.00 hours G.M.T.

Frequency and wavelength. Frequency and Wavelength are divided into the following groups: **Long waves, medium waves, short waves** and **ultra short waves** (V. H. F. – very high frequencies - FM).

The wavelength of a station is measured in metres, and kilocycles per second (kc/s); for FM-stations in megacycles per second (mc/s). A kilocycle is 1000 cycles; a megacycle 1.000.000 cycles.

As the velocity of propagation in space is, in round figures, 300.000.000 metres per second, any of the quantities—metres, kilocycles or megacycles—are readily converted into the other forms by means of the following formulae:

Metres to Kilocycles

Metres = 300,000/Frequency (kc/s)

Metres to Megacycles

Metres = 300/Frequency (Mc/s)

Kilocycles to Metres

kc/s = 300,000/Wavelength (metres)

Megacycles to Metres

Mc/s = 300/Wavelength (metres)

Continued page 13.

R. C. A. BROADCAST TRANSMITTERS AT REDUCED PRICES

3 types of R. C. A. Broadcast Stations are offered at reduced prices for payment in sterling.

★ 250 BRM Medium Wave 250-275 W
★ 250 BRS Short Wave 250-275 W
★ AVT-22-BRS Short Wave 5 KW

All 3 models combine the highest efficiency compatible with modern broadcast standards and are fully tropicalized.

Installation and Maintenance contracts can be undertaken.

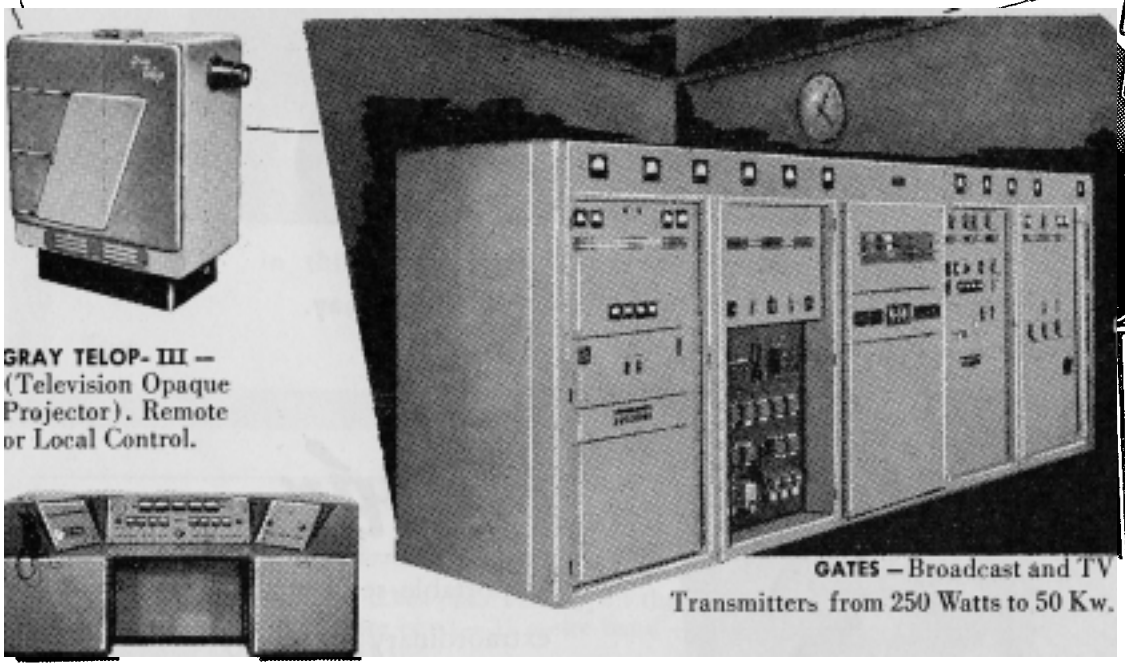
BRITISH SAROZAL LTD., Sarozal House, Marylebone Passage, Margaret St., London W. 1. Cables: SAROZAL, LONDON.

ROCKE INTERNATIONAL.

COMPLETE EQUIPMENT FOR

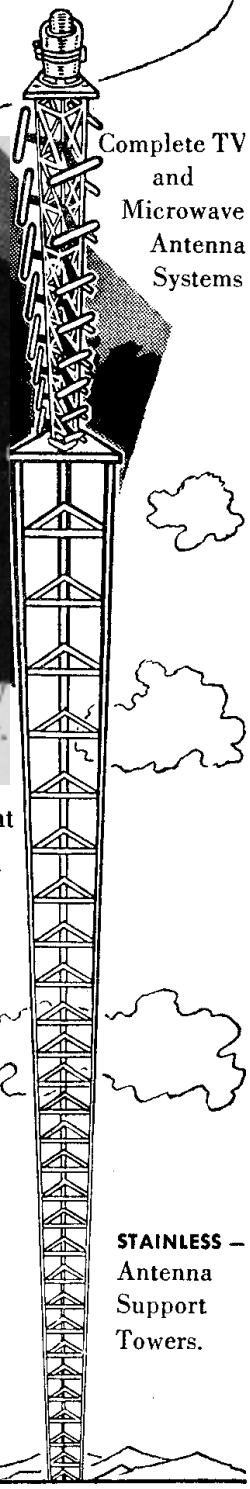
BROADCASTING

and TELECASTING



GRAY TELOP- III — (Television Opaque Projector). Remote or Local Control.

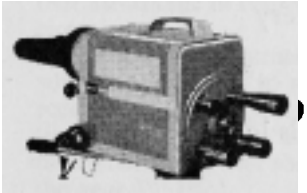
GATES — Broadcast and TV Transmitters from 250 Watts to 50 Kw.



Complete TV and Microwave Antenna Systems

GATES — Speech Input Equipment—Master Control Console.

ROCKE offers complete range of broadcasting equipment from speech input systems to powerful broadcast and TV transmitters, microphones, transmitting tubes, towers up to 1700 feet high—a quality equipment of the foremost American manufacturers, including such well known names as: AMPEREX Electronic Corp., ELECTRO-VOICE, GATES Radio Co., GRAY Research, KAY LAB, RADIO & ENGINEERING LABORATORIES, STAINLESS, etc.



KAY LAB— Television Camera Complete with 5" Electronic View Finder.

Purchasing from one source keeps your procurement costs at a minimum. Write for catalogs, prices and other information to Dept. WRH-1.

STAINLESS — Antenna Support Towers.

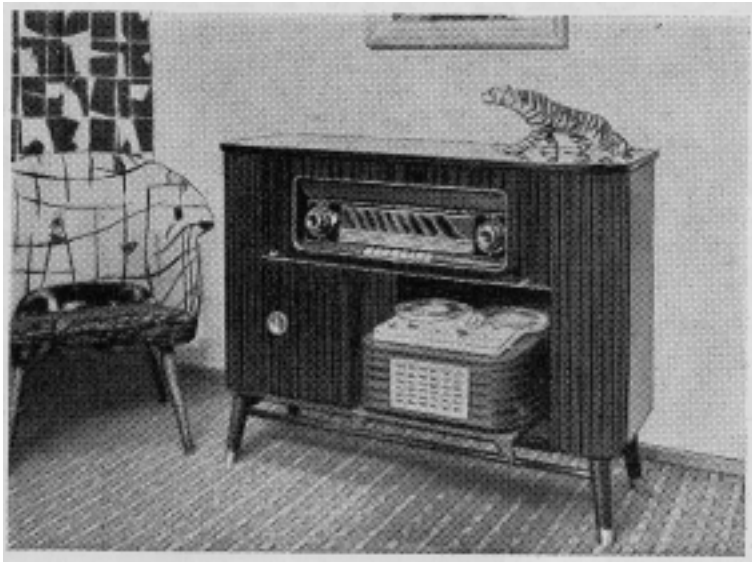
ROCKE INTERNATIONAL CORPORATION
13 East 40th Street, New York 16, N. Y., U.S.A. *Cables:* ARLAB

advertisement rocke international corporation

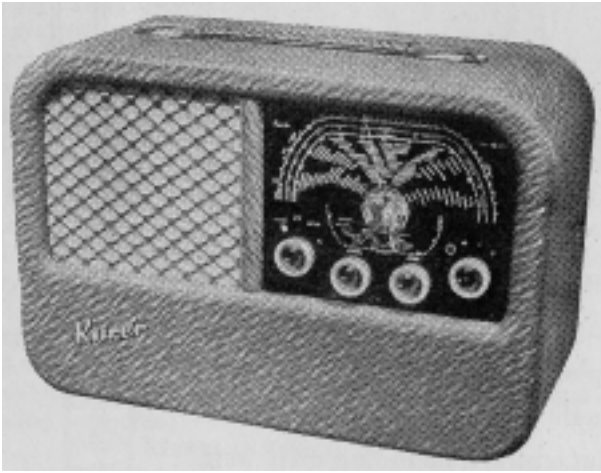
Studio 3D

A modern unit,
incorporating:

High Fidelity Radio
Record Changer
and Tape Recorder



Radionette – Norway's leading radio factory – established 1927.
Annual production 60000 radio sets.



Kurér

A portable set with
extraordinary sensitivity
Combined for
110 – 230 V AC
and 90/1.5 V
self-contained battery

Radionette exports to 50 countries on four continents. Seventeen models in production.

RADIONETTE

TRONDHEIMSVEIEN 100
OSLO - NORWAY

advertisement radionette norway

How to use the WRH, continued from page 10.

Shortwave broadcasting takes place mainly on the following metre bands (m.b.):

49 metre band – 41 metre band – 31 metre band – 25 metre band – 19 metre band – 16 metre band – 13 metre band and 11 metre band.

Many short-wave stations lie outside these bands. The 60 and 80 metre bands are used for local broadcasting, i.e. for reception over relatively short distances, which applies, for example, to many South and Central American stations and stations in Central Africa.

In the following pages you will find a large variety of call-signs and frequencies. In many cases these belong to the same transmitters which are connected to different aerials designed to radiate signals to the best advantage in respect of each service. The various call-signs usually serve to identify individual frequencies.

Many programmes are broadcast simultaneously from several transmitters on different frequencies, which enables you to select the one which is the most clearly audible in your area or on your particular receiver. If reception on one of the frequencies used is poor, you should examine reception conditions on the other frequencies employed by the same station. On page 24 you will find a table of the most suitable metre bands for best short-wave reception in every part of the world at various times of the day throughout the year 1957.

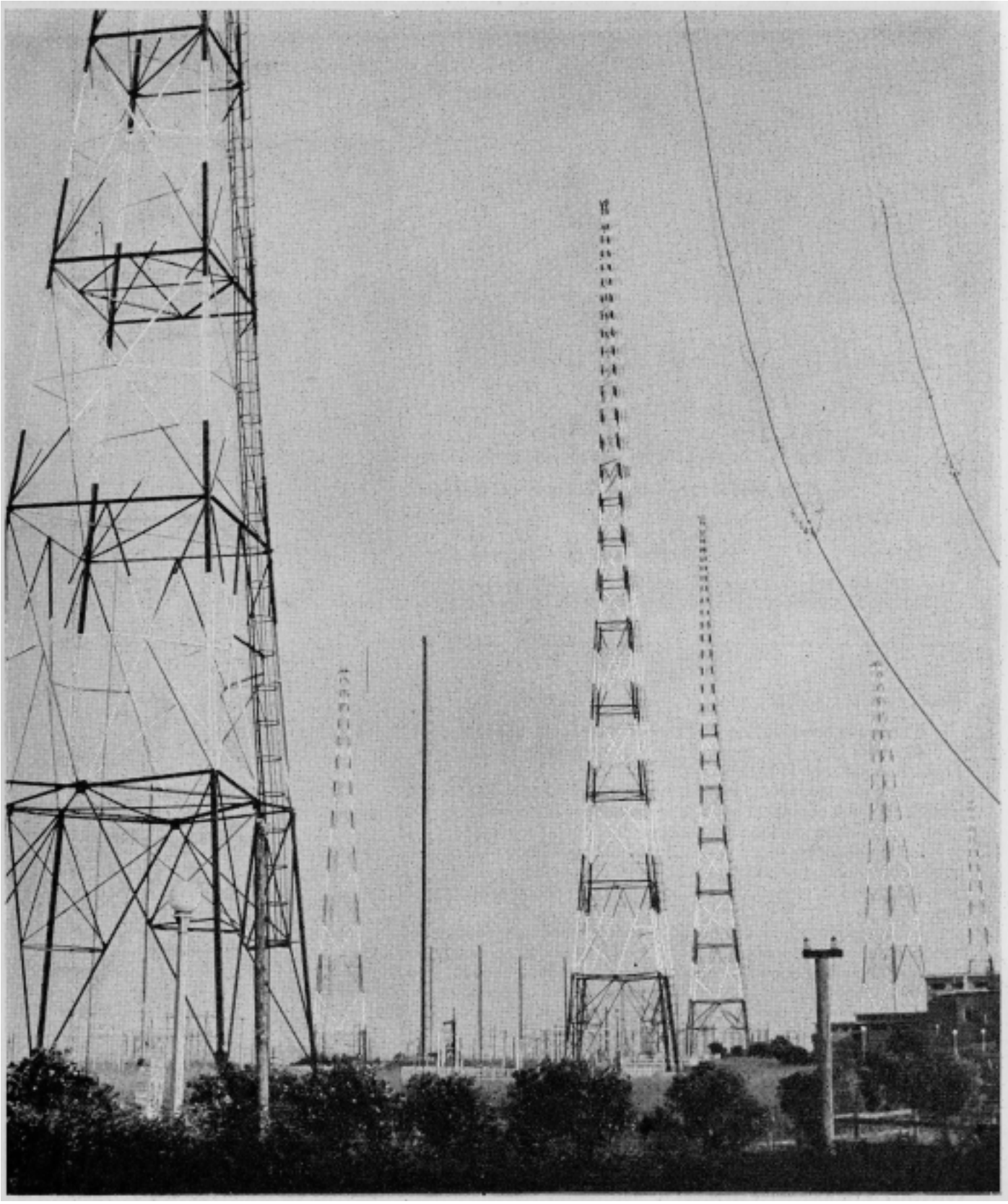
Daily Programmes: Under this heading you will find information concerning the total broadcasting hours on the different frequencies employed during transmission hours, as well as a survey of the news. and other fixed programmes of interest: National music, mailbag, language lessons, weather reports, program preview, time signals etc.

Announcements: The language alone is not a conclusive indication of the origin of a broadcast to which you may be listening. Hearing a programme in French or Spanish, for instance, does not necessarily mean that it is transmitted by a French or Spanish station respectively. To make sure of identifying a station correctly, it is, therefore, essential to wait for the announcement which every station broadcasts at regular intervals. These call signs are given in this book for practically all the stations listed.

Interval-Signals: For identifying stations it is also of importance to know the signals used during the intervals between programme items. Under each station you will, therefore, find a indication of the type of signal used, and in many cases a reproduction of the musical notes of this signal.

Continued page 16.

how to use world radio handbook



Un groupe d'antennes du centre à ondes courtes de Rome – Prato Smeraldo, émetteur de tous les programmes pour l'étranger.

R A I – R A D I O T E L E V I S I O N E I T A L I A N A

advertisement RAI International Italy

INTERNATIONAL SERVICE

RADIO·CANADA

SERVICE INTERNATIONAL

Shortwave service in 15 languages

On request, we will send you our illustrated Program Schedule regularly.

Recorded programs are offered free to radio organizations.

We invite shortwave listeners to tune in on broadcasts from Canada. Full coverage is given to Canadian and world-wide news and Canadian thinking on current affairs. Programs also include actuality reports on national events, press opinion, and music. We welcome correspondence about programs and reception, and reply by letter or by verification (QSL) card.

Post Office Box 6000, Montreal, Canada

Canadian Broadcasting Corporation

INTERNATIONAL SERVICE

For broadcast frequencies and times, see page 113.

BROADCASTING ORGANISATIONS

UNION EUROPEENNE DE RADIODIFFUSION (U.E.R.)

Seat and Administrative Office: 1, rue de Varembé, GENEVE.
Technical Centre: 4, rue de la Vallée, BRUXELLES.
Monitoring Centre: Jurbise (Belgium).
International Coordination Centre for TV/Programmes exchanges (Eurovision): Palais de Justice Bruxelles.

Administrative Council (1957-1958): President: Sir Ian Jacob, Director General, The British Broadcasting Corporation.
Vice-Presidents: MM. Léon Daumard, Inspector General "Radiodiffusion-Télévision Française" and Georges Conus, Director Administration The Swiss Broadcasting Corporation.

Administrators: Representatives of the broadcasting organisations in: Austria, Denmark, Finland, France, Germany (Fed. Rep.), Italy, Netherlands, Switzerland and United Kingdom.

Director of the Administrative Office and **Secretary General:** M. Léo Wallenborn.
Director of the Technical Centre: M. Georges Hansen.

Active Members: The broadcasting organisations of: Austria, Belgium, Denmark, Egypt, Finland, France, Germany (Bundesrepublik), Greece, Iceland, Ireland, Italy, Lebanon, Luxembourg, Monaco, Morocco/Tunesia, Norway, Netherlands, Portugal, Spain, Sweden, Switzerland, Syria, Turkey, United Kingdom, Vatican City, Yugoslavia.

Associate Members: The broadcasting organisations of: Australia (ABC), Belgian Congo, Burma, Canada (CBC), Ceylon, Haiti, Japan, New Zealand, Pakistan, Portugal, Union of South Africa, United Kingdom, (I.T.A. and Television Programme Contractors Association), United States (US Information Agency, N.A.E.B., C.B.S. and N.B.C.).

Publications: EBU BULLETIN (every two months in English and French) – Long and medium waves Report (European Area) – Short waves report.

INTERNATIONAL BROADCASTING ORGANIZATION OIR
Address: 15, Liebknechtova, Prague 16, Czechoslovakia.
Cable: INTERADIF Praha.

Nature: International organization, having scientific purpose.
Governing Body: General Assembly consisting of one representative for each full member.

ADMINISTRATIVE COUNCIL: Consisting of 7 to 13 members.
Chairman for 1956: Representative of the Czechoslovak Republic.
Vice-Chairman for 1956: Representatives of Finland and of the Peoples Republic of Mongolia.

Members: Peoples Republic of China, Czechoslovak Republic, German Democratic Republic, Peoples Republic of Mongolia, Peoples Republic of Poland, U.S.S.R.

MEMBERS: PR of Albania, Byelorussian SSR, PR of Bulgaria, Chinese PR, Czechoslovak Republic, Estonian SSR, Finland, German Democratic Republic, Hungarian PR, Korean People's Democratic Republic, Latvian SSR, Lithuanian SSR, Moldavian SSR, PR of Mongolia, PR of Poland, Rumanian PR, Ukrainian PR, Union of Soviet Socialist Republics, PDR of Vietnam.
Facilities: Technical Centre: Prague, Czechoslovakia.

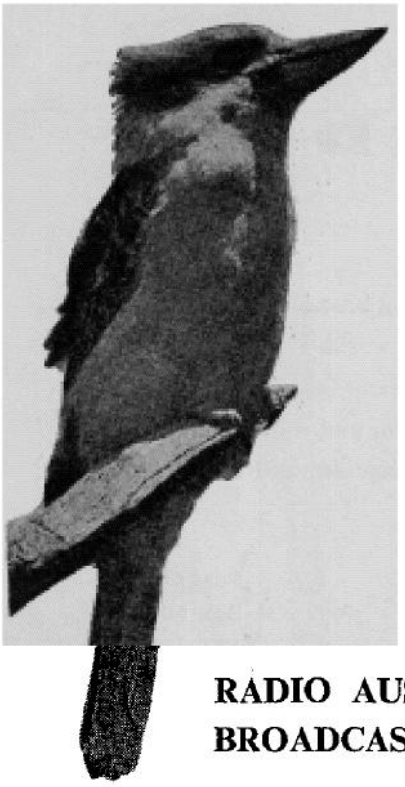
Publication: Documentation and Information Bulletin in Chinese, English, French and Russian issued every two months. Technical Documentation and Lists of broadcasting and television stations in operation.

Meetings: General Assembly at least once a year. Administrative Council at least once a year.

Relations with other international organizations: Official relations with the ITU, UNESCO, the Economical and Social Council of the United Nations Organization and others.
Asociation Interamericana etc.

ASOCIACION INTERAMERICANA DE RADIODIFUSION (AIR): AIR is an association of the broadcasting corporations of the American countries. Founded in 1946 it represents more than 4000 broadcasting and 400 television stations. Its purpose is to preserve free and stable broadcasting, promote cooperation between broadcasting corporations and the public Authorities, to raise the cultural level of the peoples, and to work for a closer feeling of association between the broadcasting corporations of America. AIR is recognized by the United Nations and collaborates with UNESCO with the International Union of Telecommunications and with the organizations of the Ame-

Continued page 16.



RADIO AUSTRALIA

– the friendly voice of the Southern Continent –

Radio Australia - The Overseas Service of the Australian Broadcasting Commission - transmits daily programmes in English, French, Indonesian, Chinese and Thai. Transmissions are directed to Asia, the British Isles and Europe, Canada and the United States of America, Africa, New Zealand, and North and South Pacific Islands.

Radio Australia provides varied musical entertainment and regular news bulletins, talks, features and magazine programmes on Australian and international affairs.

A free thirty-two page illustrated programme booklet is available to all listeners upon request.

RADIO AUSTRALIA - OVERSEAS SERVICE - AUSTRALIAN BROADCASTING COMMISSION, MELBOURNE, AUSTRALIA.

(For detailed information see page 105)

How to use the WRH, continued from page 13.

Verification by QSL-cards. As indicated in the survey of the broadcasting services of the various countries, many of the stations listed are interested in receiving reports from listeners in respect of their transmissions. These stations acknowledge reports by sending listeners a QSL-card (verification) or a letter. For most of these stations it is stated whether reports are answered by QSL card or letter and if return postage is required. If nothing is mentioned, it is unnecessary to send reply postage. Many short-wave listeners make a hobby of collecting these QSL-cards which are often elaborately designed and colourful.

Reports from Listeners: Listeners 'reports can in most cases be written in English, but Spanish is preferable when writing to South or Central American stations.

In the new edition of How to listen to the world you will find all information about how to write your reports to the stations. –

If reply postage is requested by a station, enclose with your reports an International Reply Coupon obtainable at most post offices. The full address of each station will be found in the individual surveys.

How to identify a short-wave station:

Whenever you come across a station which is unknown to you, proceed as follows for identification: Read the approximate frequency indicated on your dial in megacycles or kilocycles or the wavelength in metres. Find from the table of frequencies and wavelengths what station are working in the neighbourhood of the reading shown by your dial. When you have reduced the source of the broadcast to one or two possibilities and at the same time noted details of the program heard and the language used, check these data against the program surveys printed in this Handbook. For confirmation it is advisable to wait for the station announcement or interval signal mentioned previously.

Continued from page 15.

rican States. AIR has subscribed to the "Panama Doctrine" in which the American Radio and Press declare themselves united against any attack on individual liberty and any restriction of the freedom of utterance. During the last General Meeting, hold in Lima, Peru, AIR issued a Declaration of Principles of Ethies on which such members as have not yet done it, will have to base themselves for the compiling of their Ethic Codes. On Oktober 4 1956, AIR celebrated its tenth anniversary. Associations in twenty countries are affiliated to AIR, President of AIR is Senor Ricardo Vivado Orsini (Chile), 1st Vice Pres.: Raul Fontaina (Uruguay); 2nd Vice-Pres.: Alberto Lleras Camargo (Colombia); Secretary: Emilio Azcarraga (Mexico); Dir. Gen.: Julio Menadier Carrasco (Chile).

UNESCO

(United Nations Educational, Scientific and Cultural Organization)
Radio Division, Department of Mass Communication.
Address: 19, avenue Kléber, Paris 16e. Telephone: KLEber 52-00.
Chief of Radio Division: Walter Steigner
Deputy-Chief: José Garza y de Garate
Chief of English production: Rex Keating
Chief of French production: Fernand Pouey
Chief of Spanish production: José Garza y de Garate
Chief of German production: Walter Steigner.

advertisement radio australia

1908 - 1956

STILL THE WORLD'S BEST

Communications Receivers

SUPER PRO 600—The last word in communications receiver engineering. "Super Pro 600"—a 20 tube dual conversion superheterodyne covering the range of 540 Kc to 54 Mc in 6 bands. The universal power supply is an integral part of the Receiver Chassis.

New HQ-100—The most amazing communications receiver ever produced, moderately priced. Continuously tunable from 540 Kcs to 30 Mcs with sensitivity and selectivity surpassing anything in its class. Auto-Response circuit delivers a complete range of audio output.

HQ 140-XA—A modern superheterodyne communications receiver with high operational excellence, and still in the moderate price range. Frequency coverage from 540 Kc to 31 Mc.

A Full Line of Communications Receivers for every Requirement

Hammarlund—superb engineering—backed by almost half a century of manufacturing experience. First choice of the U. S. Army, Navy and Air Force, 22 governments, leading airlines, military, press, commerce. Hammarlund receivers have gained world-wide recognition as the finest, best performing equipment available anywhere at any price.

Write today for further details to:

HAMMARLUND

EXPORT DEPARTMENT

ROCKE INTERNATIONAL CORPORATION

13 East 40th Street, New York 16, N. Y., U.S.A. ***Cables:*** **ARLAB**

advertisement rocke international hammarlund

WORLD TIME IN ALL COUNTRIES

DIFFERENCE BETWEEN LOCAL TIME AND GREENWICH MEAN TIME

The differences marked + indicate the number of hours ahead of G. M. T. Differences marked ÷ indicate number of hours behind G. M. T. * Time based on local sunrise.

	Normal clock Time	Summer Time
Aden	÷3	÷3
Afghanistan	÷4½	÷4½
Albania	+1	+1
Algeria	GMT	GMT
Andorra	+1	+1
Angola	+1	+1
Antigua	÷4	÷4
Arabia, Saudi	+3	+3
Argentina	÷3	÷3
Aruba	÷4½	÷4½
Australia		
a) Victoria, New South Wales, Queensland Tasmania, (Brisbane, Melbourne, Sydney)	+10	+10
b) N. Territory S. Australia	+9½	+9½
c) W. Australia (Perth)	+8	+8
Austria	+1	+1
Azores	÷2	÷1 1/4-1/10
Bahamas	÷5	÷5
Bahrain	+4	+4
Barbados (W.I.)	÷4	÷4
Balearic Islands	+1	+1
Bechuanaland	+2	+2
Belgian Congo Leopoldville	+1	+1
Belgian Congo Elisabethville	+2	+2
Belgium	+1	+1
Bermuda	÷4	÷3
Bolivia	÷4	÷4
Borneo, British North	+8	+8
Brazil		
a) Eastern and Coastal.	÷3	÷2
b) Western (Manaos)	÷4	1/12-1/4 ÷3
Bulgaria	+2	+2
Burma	+6½	+6½
Cameroons, Brt.	+1	+1
Canada		
a) Atlantic (Labrador, Nova Scotia, Quebec)*)	÷4	25/4-25/9 ÷3
b) Eastern (Ontario)	÷5	÷4
c) Central (Manitoba)	÷6	÷5
d) Mountain (Alberta)	÷7	÷6
e) Pacific (Br. Columbia)	÷8	÷7
f) N. Foundland	÷3½	÷2½
Canary Islands	GMT	GMT
Canton Islands	÷11	÷11
Cap Verde Isl.	÷2	÷2
Ceylon	+5½	+5½
c) Java, Borneo	+7½	+7½
Chile	÷4	÷4
China	+8	+8
Tibet	+6	+6
*Colombia	÷5	÷5
Cook Isl.	÷10½	÷10½
Costa Rica	÷6	÷6
Cuba (W.I.)	÷5	÷5
Curacao	÷4½	÷4½
Cyprus	+2	+2
Czechoslovakia	+1	+1
Dahomey	+1	+1
Denmark	+1	+1
Dodecanese Isl.	+2	+2
Dominican R.	÷5	÷5
Ecuador	÷5	÷5
Egypt	+2	+2
Ellice Islands	+12	+12
*El Salvador	÷6	÷6
Eritrea	+3	+3
Ethiopia	+3	+3
Falkland Islands	÷4	÷3 1/4-1/10
Fernando Po	+1	+1
Formosa see Taiwan		
Fiji Islands	+12	+12
Finland	+2	+2
France	+1	+1
French Equatorial Africa	+1	+1
French West Africa (Senegal)	GMT	GMT
Gambia	GMT	GMT
Germany	+1	+1
Gibraltar	+1	+1
Gilbert Isl.	+12	+12
Goa (Port India)	+5½	+5½
Gold Coast	GMT	+½ 1/9-31/12
Great Britain	GMT	+1 **) 1/4-1/10
Greece	+2	+2
Greenland W.	+3	+3
Angmagssalik East		
Scoresby Sound	+2	+2
*Guadeloupe	÷4	÷4
*Guam	÷10	÷10
*Guatemala	÷6	÷6
*Guiana (British)	÷3¾	÷3¾
Guiana (Dutch)	÷3.40	÷3.40
Guiana (French)	÷4	÷4
Guinea (Port.)	÷1	÷1
Guinea (Sp.)	+1	+1
Haiti (W.I.)	÷5	÷5
Hawaiian Isl.	÷10	÷10
Holland	+1	+1
Honduras (Rep.)	÷6	÷6
Honduras (Brit.)	÷6	÷6
Hong Kong	+8	+9 1/4-31/10
Hungary	+1	+1
Iceland	÷1	GMT 3/4-31/10
India	+5½	+5½
India Portuguese	+5½	+5½
Indochina	+7	+7
Indonesia		
a) North Sumatra	+6½	+6½
b) South –	+7	+7
c) Java, Borneo, Bali	+7½	+7½
d) Celebes (E. Ind.)	+8	+8
e) Molucca Isl.	+8	+8
Iran (Persia)	+3½	+3½
Iraq	+3	+3
Ireland (Eire)	GMT	+1 15/4-15/10
Ireland (Northern)	GMT	+1
Israel	+2	+3 15/8-15/9
Italy	+1	+1
Ivory Coast	GMT	GMT
Jamaica (W.I.)	÷5	÷5
Japan	+9	+9
Jordan	+2	+2
Kashmir	+5½	+ 5½
Kenya	+3	+3
Korea	+8½	+9½
Kuwait	+3	+3
Lebanon	+2	+2
Leeward Isl.	÷4	÷4
Liberia	÷¾	÷¾
Libya		
a) West (Tripopolitania)	+1	+2
b) East (Cyrenaica)	+1	+2
Luxembourg	+1	+1
Macau	+8	+9 1/5-1/10
Madagascar	+3	+3
Madeira	÷1	GMT 1/4-1/10
Malaya	+7½	+7½
Malta	+1	+1
Marshall Isl.	+12	+12
Martinique	÷4	÷4
Mauritius	+4	+4
Mexico	÷6	÷6
Miquelon	÷4	÷3 1/4-15/10
Monaco	+1	+1
Mongolia (Outer)	+7	+7
Morocco (French)	GMT	GMT
Morocco (Spanish)	+1	+1
Mozambique	+2	+2
Nepal	+5.40	+5.40
Neth. Antilles	÷4½	÷4½
New Caledonia	+11	+11
New Guinea (Dutch)	+9½	+9½
New Guinea (Australian)	+10	+10
New Hebrides	+11	+11
New Zealand	+12	+12
Nicaragua	÷6	÷6
Nigeria	+1	+1
Norway	+1	+1
Pakistan		
a) West	+5	+5
b) East	+6	+6
Panama	÷5	÷5
Paraguay	÷4	÷4
Peru	÷5	÷5
Philippine Islands	+8	+8
Pitcairn Isl.	÷9	÷9
Poland	+1	+1
Portugal	GMT	+1 1/4-1/10
PuertoRico(W.I.)	÷4	÷4
Reunion	+4	+4
Rhodesia (Northern and Southern)	+2	+2
Rumania	+2	+2
Ryukyu Isl.	+9	+9
Saar	+1	+1
Samoa Isl.	÷11	÷11
S. Pierre	÷4	÷3 1/4-15/10
S. Tomé	GMT	+1 1/4-1/10
Sarawak	+8	+8
Saudi Arabia	+3	+3
Senegal	GMT	GMT
Seychelles Isl.	+4	+4
Sierra Leone	GMT	GMT
Somaliland (British, Italian)	+3	+3
Somaliland (French)	+3	+3
Spain	+1	+1
Sudan	+2	+2
Surinam	÷3,40	÷3,40
Sweden	+1	+1
Switzerland	+1	+1
Syria	+2	+2
Taiwan	+8	+9 1/4-31/9
Tanganyika	+3	+3
Tangier	GMT	GMT
Tahiti	÷10	÷10
Tasmania	+10	+10
Thailand	+7	+7
Trieste	+1	+1
Trinidad (W.I.)	÷4	÷4
Tunisia	+1	+1
Turkey	+2	+2
Uganda	+3	+2
Union of South Africa	+2	+3
Uruguay	÷3	÷3
U.S.S.R.		
Moscow, Leningrad	+3	+3
Baku	+4	+4
Sverdlovsk	+5	+5
Alma Ata	+6	+6
Novosibirsk	+7	+7
Irkutsk	+8	+8
Yakutsk	+9	+9
Khabarovsk	+10	+10
Petropavlovsk	+11	+11
U.S.A.		
a) Eastern Zone	÷5	÷4 1/5-1/10
b) Central Zone	÷6	÷5 1/5-1/10
c) Mountain Zone	÷7	÷6 1/5-1/10
d) Pacific Zone	÷8	÷7 1/5-1/10
Vatican	+1	+1
Venezuela	÷4½	÷4½
Vietnam	+8	+8
Windward Isl.	÷4	÷4
Yemen	+3	+3
Yugoslavia	+1	+1
Zanzibar	+3	+3

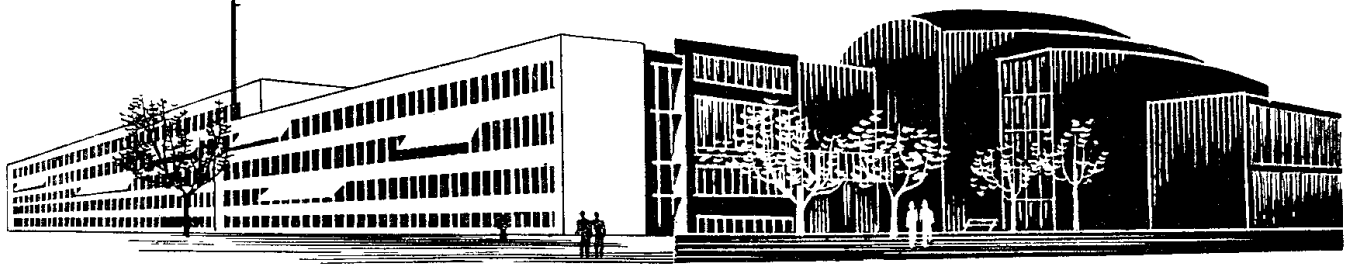
* exc. the watch shore and Gaspé regions: 5 h. behind GMT.

** Summer Time in Britain starts at 02 hours GMT after the 3rd Sat. in Apr. (or 2nd Sat. if 3rd is Easter weekend) and runs until 02 h. GMT after the first Sat. in oct.

Listen to

THE VOICE OF DENMARK

The Danish short wave transmissions are beamed to North America, South America, Africa, India and the Far East



To North America on 31.51 m—9.520 kc/s.
Daily 1.30—2.30 and 3.00—4.00 GMT. E.S.T.: 8.30—9.30 and 10.00—11.00 p. m.
DX-bulletin: Wednesdays 2.20—2.30 a. m. and 3.50—4.00 a. m. GMT.

To South America on 31.51 m—9.520 kc/s.
Mondays, Wednesdays and Fridays 22.30—23.30 GMT.

To Far East, Australia and New Zealand on 19.78 m—15.165 kc/s.
Tuesdays, Thursdays and Saturdays 9.00—10.00 a. m. GMT.
DX-bulletin: Thursdays 9.50-10.00 a. m. GMT.

To South Asia on 19.78 m—15.165 kc/s.
Tuesdays, Thursdays and Saturdays 14.00—15.00 GMT.
DX-bulletin: Thursdays 14.50-15.00 GMT.

To Africa and the Near East on 19.76 m—15.180 kc/s.
Tuesdays and Fridays 5.00—6.00 a. m. GMT.

For listeners in Europe. On 49.50 m—6.060 kc/s.
Daily 17.40—21.15 GMT rebroadcast of Danish home service.

To the Faroe Islands on 31.51 m—9.520 kc/s.
Sundays 13.30—14.30 GMT.

Special broadcasts for Danish ships Tuesdays, Thursdays and Saturdays immediately following South American, North American, Far Eastern and Indian programs, and 17.00—17.30 GMT on 31.51 m—9.520, kc/s for the Mediterranean and Middle East.

Listeners all over the world are invited to send reception reports together with their criticisms and programme suggestions to

the SHORTWAVE DEPARTMENT, RADIO HOUSE, COPENHAGEN V., DENMARK

Answer by letter or QSL-card

advertisement the voice of denmark Radio Denmark

Kodavox magnetic tape

With any type of tape-recorder use

a safety high fidelity product,

manufactured in France by Kodak-Pathé, Paris
who can now also offer you their

latest novelty

the Kodavox long playing tape

on tri-acetate safety extra-thin base.

Twice as much tape on the same diameter reels:

360 m (1200 ft) Kodavox Standard or 720 m (2400 ft) Kodavox LP
on a 178 mm (7″) reel

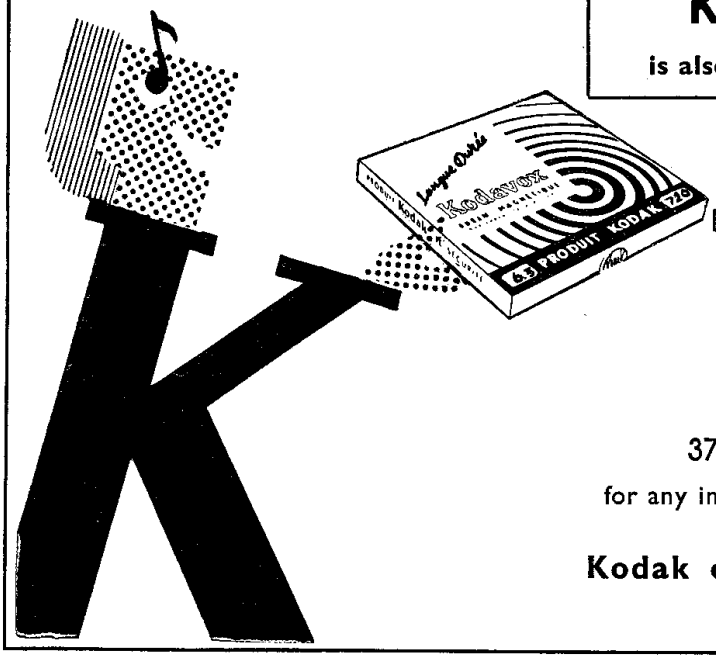
180 m (600 ft) Kodavox Standard or 360 m (1200 ft) Kodavox LP
on a 128 mm (5″) reel

90 m (300 ft) Kodavox Standard or 180 m (600 ft) Kodavox LP
on a 100 mm (4″) reel

For Professionals' studios and Broadcasting stations

Kodak magnetic film N-A-B

is also offered in 750 m and 1000-meter lengths



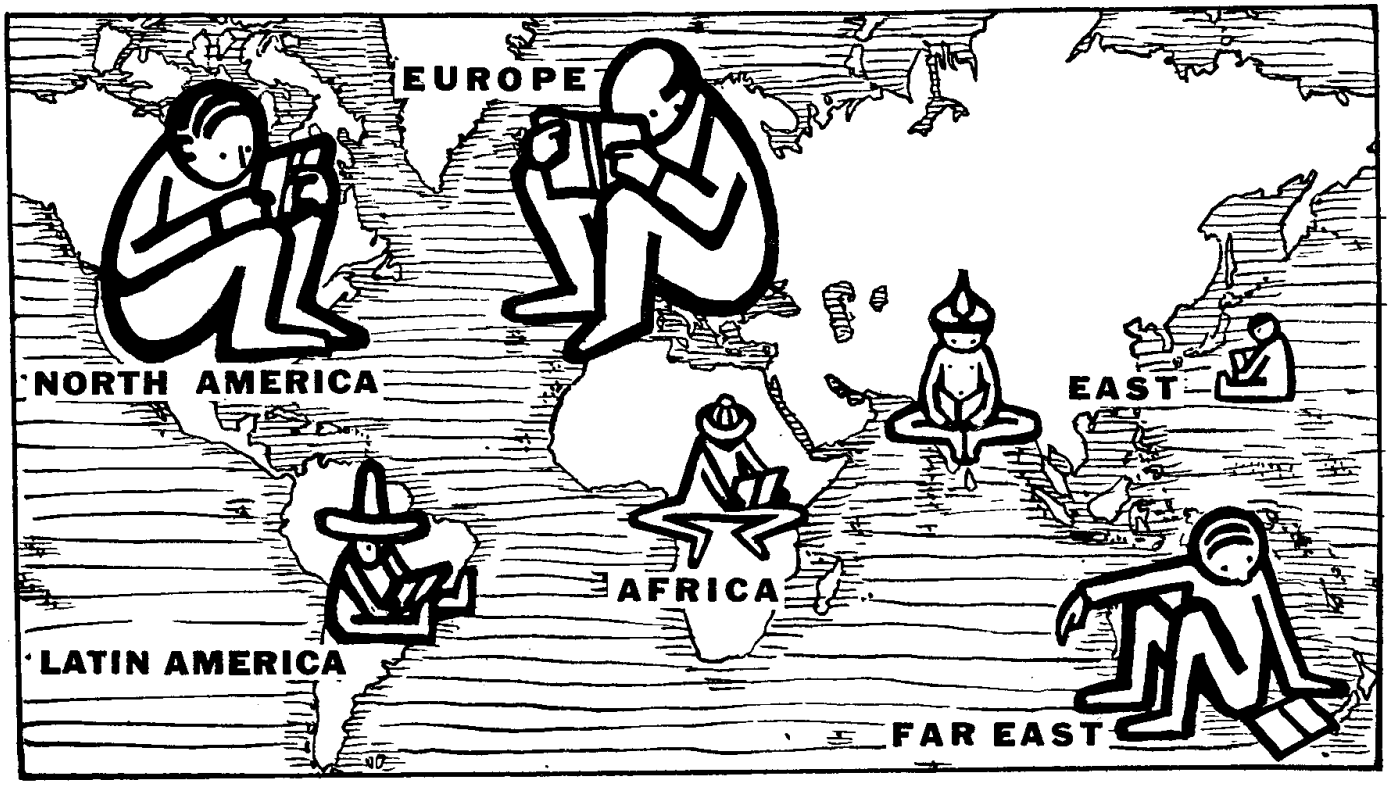
Sold throughout the world
by Kodak Houses and Distributors.
Please contact these Companies
or apply to:

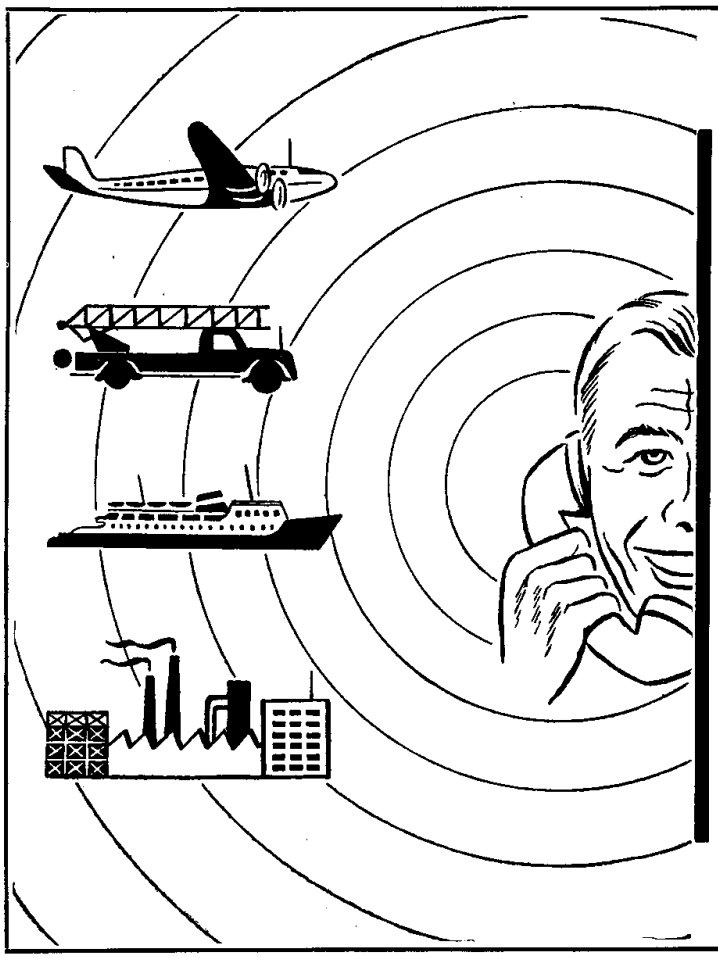
KODAK-PATHE
Export Department
37, AVENUE MONTAIGNE - PARIS-8e
for any information regarding our distribution organization

Kodak only register high quality products

advertisement Kodavox Kodak

World Radio Handbook is read in countries all over the world.





VHF and UHF Communication equipment

FM-Radiotelephones for fixed, mobile or portable use.

Multichannel link equipment.

FM-Broadcast transmitters with up to 5 kw output.

VHF/AM Airport ground stations.

STORNO equipment of the above types are at present operating in 17 countries.

Storno

Div. of The Great Northern Telegraph-Co. Ltd.
Ved Amagerbanen 21, Copenhagen S.
Denmark

advertisement storno

Table of allocation of call signs

The first character or the first two characters of a call sign indicates the nationality of the station using it.

AAA–ALZ	U.S.A.
AMA–AOZ[1])	Spain
APA–ASZ	Pakistan
ATA–AWZ	India
AXA–AXZ	Australia
AYA–AZZ	Argentine
BAA–BZZ	China
CAA–CEZ	Chile
CFA–CKZ	Canada
CLA–CMZ	Cuba
CNA–CNZ	Morocco (French)
COA–COZ	Cuba
CPA–CPZ	Bolivia
CQA–CRZ	Portuguese Colonies
CSA–CUZ	Portugal
CVA–CXZ	Uruguay
CYA–CZZ	Canada
DAA–DMZ	Germany
DNA–DQZ	Belgian Congo
DRA–DTZ	Bielorussian S.S.R.
DUA–DZZ	Philippines
EAA–EHZ	Spain
EIA–EJZ	Ireland
EKA–EKZ	U.S.S.R.
ELA–ELZ	Liberia
EMA–EOZ	U.S.S.R.
EPA–EQZ	Iran
ERA–ERZ	U.S.S.R.
ESA–ESZ	Estonia
ETA–ETZ	Ethiopia
EUA–EZZ	U.S.S.R.
FAA–FZZ	France and Colonies
GAA–GZZ	United Kingdom
HAA–HAZ	Hungary
HBA–HBZ	Switzerland
HCA–HDZ	Ecuador
HEA–HEZ	Switzerland
HFA–HFZ	Poland
HGA–HGZ	Hungary
HHA–HHZ	Haiti
HIA–HIZ	Dominican Rep.
HJA–HKZ	Colombia
HLA–HMZ	Korea
HNA–HNZ	Iraq
HOA–HPZ	Panama
HQA–HRZ	Honduras
HSA–HSZ	Thailand
HTA–HTZ	Nicaragua
HUA–HUZ	El Salvador
HVA–HVZ	Vatican City State
HWA–HYZ	France and Colonies
HZA–HZZ	Saudi Arabia
IAA–IZZ	Italy and Colonies
JAA–JSZ	Japan
JTA–JVZ	Mongol. People's R.
JWA–JXZ	Norway
JYA–JYZ[1])	Jordan
JZA–JZZ[1])	Netherl. N. Guinea
KAA–KZZ	U.S.A.
LAA–LNZ	Norway
LOA–LWZ	Argentine
LXA–LXZ	Luxembourg
LYA–LYZ	Lithuania
LZA–LZZ	Bulgaria
MAA–MZZ	United Kingdom
NAA–NZZ	U.S.A.
OAA–OCZ	Peru
ODA–ODZ	Lebanon
OEA–OEZ	Austria
OFA–OJZ	Finland
OKA–OMZ	Czechoslovakia
ONA–OTZ	Belgium and Colonies
OUA–OZZ	Denmark
PAA–PIZ	Netherlands
PJA–PJZ	Netherlands Antilles
PKA–POZ	Indonesia
PPA–PYZ	Brazil
PZA–PZZ	Surinam
QAA–QZZ	(Service abbreviat.)
RAA–RZZ	U.S.S.R.
SAA–SMZ	Sweden
SNA–SRZ	Poland
SSA–SUZ	Egypt
SVA–SZZ	Greece
TAA–TCZ	Turkey
TDA–TDZ	Guatemala
TEA–TEZ	Costa Rica
TFA–TFZ	Iceland
TGA–TGZ	Guatemala
THA–THZ	France and Colonies
TIA–TIZ	Costa Rica
TJA–TZZ	France and Colonies
UAA–UQZ	U.S.S.R.
URA–UTZ	Ukrainian U.S.S.R.
UUA–UZZ	U.S.S.R.
VAA–VGZ	Canada
VHA–VNZ	Australia
VOA–VOZ	Canada
VPA–VSZ	British Colonies
VTA–VWZ	India
VXA–VYZ	Canada
VZA–VZZ	Australia
WAA–WZZ	U.S.A.
XAA–XIZ	Mexico
XJA–XOZ	Canada
XPA–XPZ	Denmark
XQA–XRZ	Chile
XSA–XSZ	China
XTA–XTZ	France and Colonies
XUA–XUZ[1])	Cambodia
XVA–XVZ[1])	Vietnam
XWA–XWZ[1])	Laos
XXA–XXZ	Portuguese Colonies
XYA–XZZ	Burma
YAA–YAZ	Afghanistan
YBA–YHZ	Indonesia
YIA–YIZ	Iraq
YJA–YJZ	New Hebrides
YKA–YKZ	Syrian Republic
YLA–YLZ	Latvia
YMA–YMZ	Turkey
YNA–YNZ	Nicaragua
YOA–YRZ	Roumania
YSA–YSZ	El Salvador
YTA–YUZ	Yugoslavia
YVA–YYZ	Venezuela
YZA–YZZ	Yugoslavia
ZAA–ZAZ	Albania
ZBA–ZJZ	British Colonies
ZKA–ZMZ	New Zealand
ZNA–ZOZ	British Colonies
ZPA–ZPZ	Paraguay
ZQA–ZQZ	British Colonies
ZRA–ZUZ	Union of S. Africa
ZVA–ZZZ	Brazil
2AA–2ZZ	United Kingdom
3AA–3AZ	Monaco
3BA–3FZ	Canada
3GA–3GZ	Chile
3HA–3UZ	China
3VA–3VZ	France and Colonies
3WA–3WZ[1])	Vietnam
3YA–3YZ	Norway
3ZA–3ZZ	Poland
4AA–4CZ	Mexico
4DA–4IZ	Philippines
4JA–4LZ	U.S.S.R.
4MA–4MZ	Venezuela
4NA–4OZ	Yugoslavia
4PA–4SZ	British Colonies
4TA–4TZ	Peru
4UA–4UZ	United Nations
4VA–4VZ	Haiti
4WA–4WZ	Yemen
4XA–4XZ[1])	Israel
4YA–4YZ[1])	Intern. Civil Aviatic Org.
5AA–5AZ	Libya
5CA–5CZ[1])	Morocco (French)
5LA–5LZ[1])	Liberia
9AA–9AZ[1])	San-Marino
9NA–9NZ[1])	Nepal
9SA–9SZ[1])	Saar Territory

[1]) **Provisionally**

SOCIEDAD ESPAÑOLA DE RADIODIFUSION (S. E. R.)

Oficinas Centrales: Avenida de José Antonio, 32. Madrid. España.

Emisoras que integran la Cadena radiofónica comercial SER.

EAJ 1 Radio Barcelona.
Caspe, 12.

EAJ 3 Radio Valencia.
Don Juan de Austria, 5.

EAJ 4 Radio Galicia.
Plaza de la Universidad, 5.
Santiago de Compostela.

EAJ 5 Radio Sevilla.
Rafael González Abreu, 4.

EAJ 7 RADIO MADRID
Avenida de José Antonio, 32.

EAJ 8 Radio San Sebastián.
Avenida de España, 27.

EAJ 11 Radio Reus.
Arrabal de Santa Ana, 50.

EAJ 28 Radio Bilbao.
Rodríguez Arias, 8.

EAJ 31 Radio Alicante.
García Morato, 55.

EAJ 54 Radio Alcira.
Plaza del Caudillo, 51.
Alcira (Valencia).

Radio Mediterráneo (O. C.)
Avenida del Marqués de Sotelo, 2.
Valencia.

EAJ 13 Radio Mallorca.
Paz, 12.
Palma de Mallorca.

EAJ 14 Radio Castellón.
Moyano, 1.
Castellón de la Plana.

EAJ 16 Radio Granada.
Gran Vía, 27.

EAJ 17 Radio Murcia.
Plaza de Cetina, 2.

EAJ 22 Radio Huesca.
San Salvador, 19.

EAJ 23 Radio Gandia.
San Pascual, 15.

EAJ 27 Radio Castilla.
Espolón, 40.
Burgos.

EAJ 32 Radio Santander.
Palacio del R. C. Regatas.

EAJ 40 Radio Pontevedra.
Peregrina, 33.

EAJ 41 Radio Coruña.
Fontán, 3.

EAJ 44 Radio Albacete.
Pasaje de Lodares, 4.

EAJ 47 Radio Valladolid.
General Mola, 1.

EAJ 50 Radio Las Palmas.
Triana, 134, bis.
Las Palmas de Gran Canaria.

EAJ 52 Radio Extremadura.
Teniente Coronel Yagüe, 2.
Badajoz.

EAJ 56 Radio Salamanca.
Rosa, 2. (Gran Vía).

EAJ 58 Radio Jerez.
Angustias, 11.

EAJ 61 Radio Jaén.
Bernabé Soriano, 18.

EAJ 62 Radio Vitoria.
Postas, 19.

EAJ 65 Radio Ciudad Real.
Avenida de los Mártires, 10.

EAJ 72 Radio Zamora.
San Torcuato, 20.

Radio Internacional.
Goya, 34 (Tánger).

BROADCASTING EQUIPMENT

GATES

GATES is the largest supplier of AM radio broadcasting equipment in the U.S.A. The prime reason for GATES' popularity everywhere, is that while maintaining the highest standards of Quality, GATES equipment is always competitively priced — and equally important, costs less to install and to operate. Why not write today for descriptive literature and engineering data on this modern GATES equipment.

A full line of AM & FM broadcasting, television transmitters from 250 watts to 50 kw.

●

Single or Multi-Channel Communications Transmitters.

●

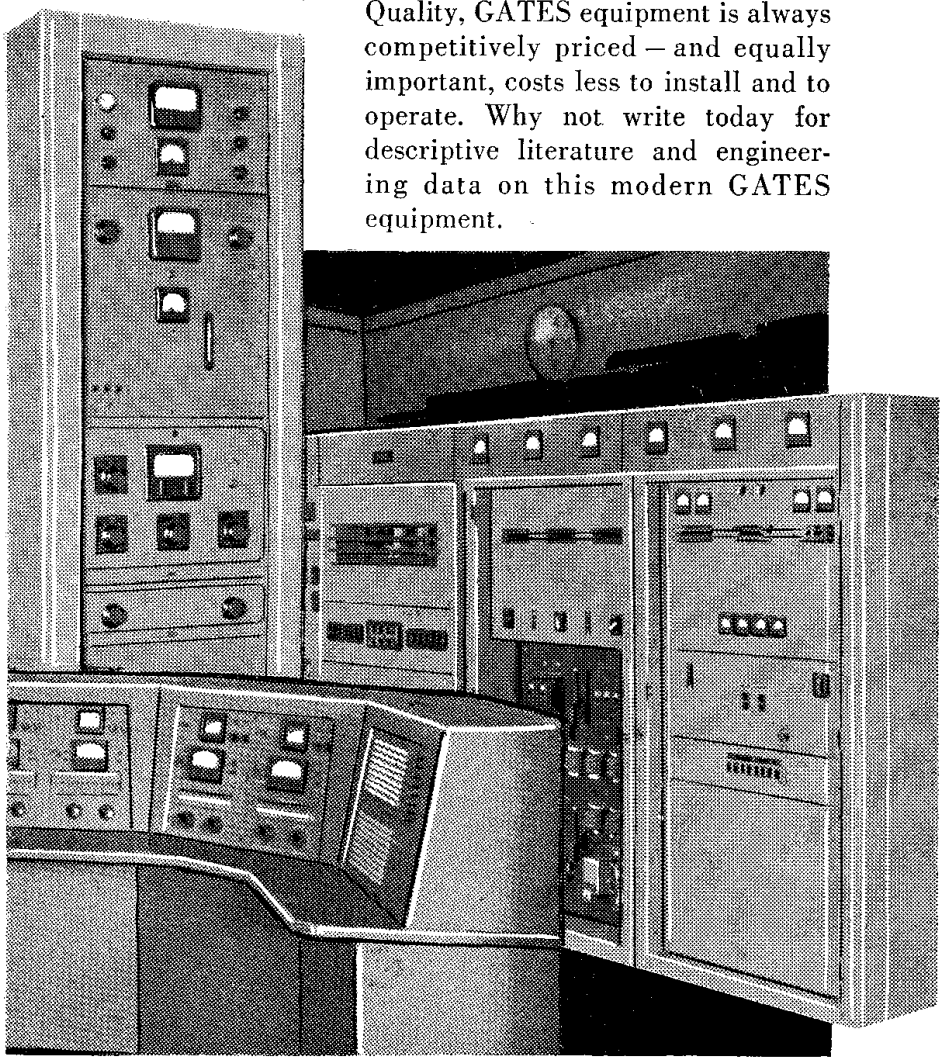
Speech Input Equipment • Transmitter Control Consoles • Master Control Consoles • Speech Input Console • Plug-In Preamplifiers • General Purpose Consoles • Transcription Turntables • Mobile Sound Effects Console.

●

Remote Amplifier Equipment • Directional Phasing Equipment • Monitoring Equipment • Oscillators • Remote Control Equipment.

●

Manufacturing Engineers Since 1922



GATES RADIO COMPANY

INTERNATIONAL DIVISION

13 East 40th Street, New York 16, N. Y., U.S.A. *Cables:* ARLAB

advertisement Gates

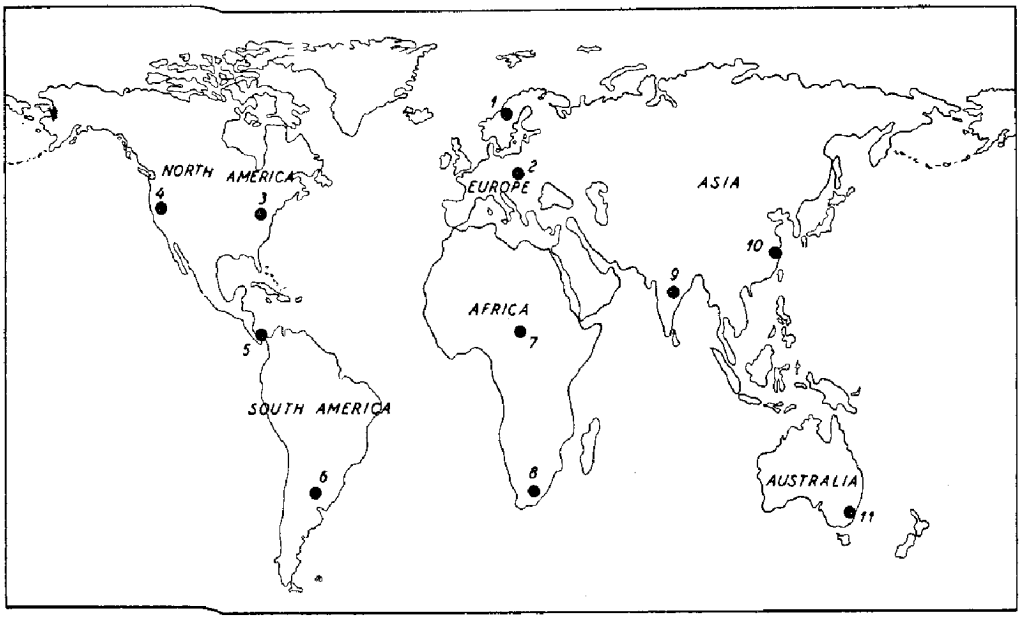
TABLE OF THE MOST SUITABLE METRE BANDS FOR BEST SHORT-WAVE RECEPTION IN EVERY PART OF THE WORLD AT VARIOUS TIMES OF THE DAY IN 1957.

Note: The figures in the table below are calculated for a specific point within each area as indicated on the chart below. The area numbers on the chart refer to the numbers indicated in the left-hand column of the table.

The figures in the table can be regarded only as average figures, as conditions will vary considerably from time to time due to irregularities in the ionosphere.

Example: A listener located in the eastern part of North America (area 3) wishes to hear a station in the southern part of Africa (area 8) on a January evening (21 local time). By following the horizontal column of figures starting at North America, East, on the left until it meets the vertical columns under the area no. 8 in the section for the months November, December, January and February on the right, he will come to the figure 25. This means that the 25 metre bands is the most suitable for listening to the required station at that time.

The listener's area	Local time	Area of the transmitting station																																	
		May			June		July		August				March			April		Sept.		October			Nov.			Dec.		Jan.		Feb.				
		1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11
1. Scandinavia	9	25	25	25	25	16	25	16	16	16	16	16	31	25	25	25	19	25	13	13	13	13	13	25	16	31	25	31	25	13	13	13	13	13
	15	25	25	16	25	16	13	13	16	16	16	19	31	19	16	19	16	13	13	13	13	16	16	16	16	13	31	13	13	13	13	16	31	25
	21	25	25	16	19	16	13	16	13	16	16	25	31	25	16	16	13	19	16	16	16	25	19	41	49	25	25	25	25	25	31	31	31	31
2. Central-Europe	9	25	19	25	19	16	25	13	13	13	16	16	25	25	25	25	25	19	13	13	13	13	13	16	16	31	31	31	13	13	13	13	13	13
	15	25	25	16	16	13	13	13	13	13	16	25	19	19	13	16	13	13	13	13	13	13	13	16	16	13	13	13	13	13	13	13	25	13
	21	25	25	16	16	13	13	16	13	13	16	25	25	31	13	19	16	19	16	13	19	16	16	49	41	25	19	19	25	31	19	31	31	31
3. North America, East	9	16	25	31	16	13	13	13	13	16	19	19	16	13	31	16	13	13	13	13	16	19	16	13	13	31	16	16	13	13	13	16	41	13
	15	16	16	31	13	13	13	13	13	16	16	13	16	13	25	13	13	13	13	13	19	16	19	25	25	16	13	13	13	13	13	25	25	16
	21	16	16	31	13	16	13	16	16	16	16	13	25	25	31	13	16	19	16	19	19	16	19	31	41	31	13	25	25	25	25	25	13	19
4. North America, West	9	25	16	13	25	16	13	16	19	16	16	31	16	16	13	16	13	13	16	13	16	19	25	19	13	13	13	13	13	25	13	31	31	16
	15	19	16	13	19	16	13	16	25	16	16	13	19	25	13	13	13	13	13	13	19	13	13	25	41	13	13	13	13	13	13	31	13	13
	21	25	19	13	19	16	16	16	41	13	16	13	19	31	16	25	16	19	19	19	16	13	13	25	41	13	25	25	19	25	25	25	25	19
5. South America, North	9	16	13	13	16	19	13	13	13	13	13	13	16	13	13	13	16	13	13	13	13	16	19	13	13	13	16	13	13	13	13	19	31	16
	15	16	13	13	13	19	13	13	16	13	16	16	13	16	13	13	16	13	13	13	16	13	13	19	19	13	13	13	13	13	13	31	31	13
	21	16	13	16	13	19	13	16	25	13	13	13	25	25	16	13	19	13	13	25	16	13	13	41	41	25	16	19	13	25	16	25	16	13
6. South America, South	9	13	13	13	19	13	13	13	13	13	25	25	13	13	13	25	13	16	13	13	13	25	19	13	13	13	25	13	13	13	13	13	25	13
	15	13	13	13	13	13	13	13	13	13	13	25	13	16	13	13	13	16	13	13	13	19	19	13	19	13	13	13	13	13	13	13	25	16
	21	16	16	13	13	13	16	13	31	25	13	25	25	25	16	13	13	19	13	19	25	13	19	31	31	19	13	13	16	13	13	19	13	13
7. Africa, North	9	16	13	19	19	16	19	25	13	13	13	13	13	13	25	25	16	16	13	13	13	13	13	13	13	25	25	25	13	13	13	13	13	13
	15	13	13	13	19	13	13	19	13	13	13	19	13	13	13	16	13	13	13	13	13	16	16	13	13	13	31	13	13	13	13	13	19	13
	21	16	16	13	16	13	13	19	13	13	13	25	16	16	13	13	13	13	13	13	13	19	19	25	25	13	13	13	13	13	13	13	25	13
8. Africa, South	9	25	13	16	25	25	31	13	19	13	13	13	13	13	19	25	13	19	13	16	13	13	13	13	13	25	25	19	13	13	16	13	13	16
	15	16	13	13	19	13	13	13	19	13	13	16	13	13	13	16	13	13	13	13	13	13	16	13	13	13	25	13	13	13	13	13	13	16
	21	16	13	13	16	13	19	13	31	13	13	25	16	13	13	13	13	16	13	19	13	13	25	31	19	13	13	13	13	13	19	13	13	25
9. South Asia	9	16	16	16	13	13	25	13	19	16	13	13	16	25	19	13	16	19	19	16	31	13	13	31	41	25	19	25	16	25	13	13	13	13
	15	16	13	25	13	16	19	13	13	13	13	13	13	13	25	25	19	16	13	13	19	13	13	13	13	25	25	25	13	13	13	13	13	13
	21	16	13	16	16	13	13	13	13	13	13	19	13	13	16	19	13	13	13	13	16	13	16	19	13	16	25	25	13	13	13	13	13	13
10. East Asia	9	19	16	16	16	13	13	13	16	13	19	13	25	19	13	13	13	13	19	16	19	13	13	31	31	13	13	16	13	25	16	25	19	13
	15	16	13	19	16	13	25	13	13	13	19	13	16	13	19	13	16	19	13	13	13	13	13	16	13	25	25	25	13	13	13	13	13	13
	21	16	16	25	16	13	25	13	13	13	19	13	13	13	25	25	19	25	13	13	13	13	13	16	16	41	31	31	25	13	13	13	16	13
11. Australia	9	19	16	13	13	13	19	13	25	19	13	19	25	16	13	13	13	16	16	25	19	13	19	31	31	16	13	13	13	13	19	19	13	16
	15	16	13	16	13	13	31	13	16	13	13	19	16	13	19	13	13	19	13	13	13	13	19	16	13	25	19	13	13	13	16	13	13	16
	21	16	16	19	31	13	31	13	13	13	13	31	13	13	13	19	16	19	13	13	13	13	25	13	13	16	31	19	13	13	16	13	13	16

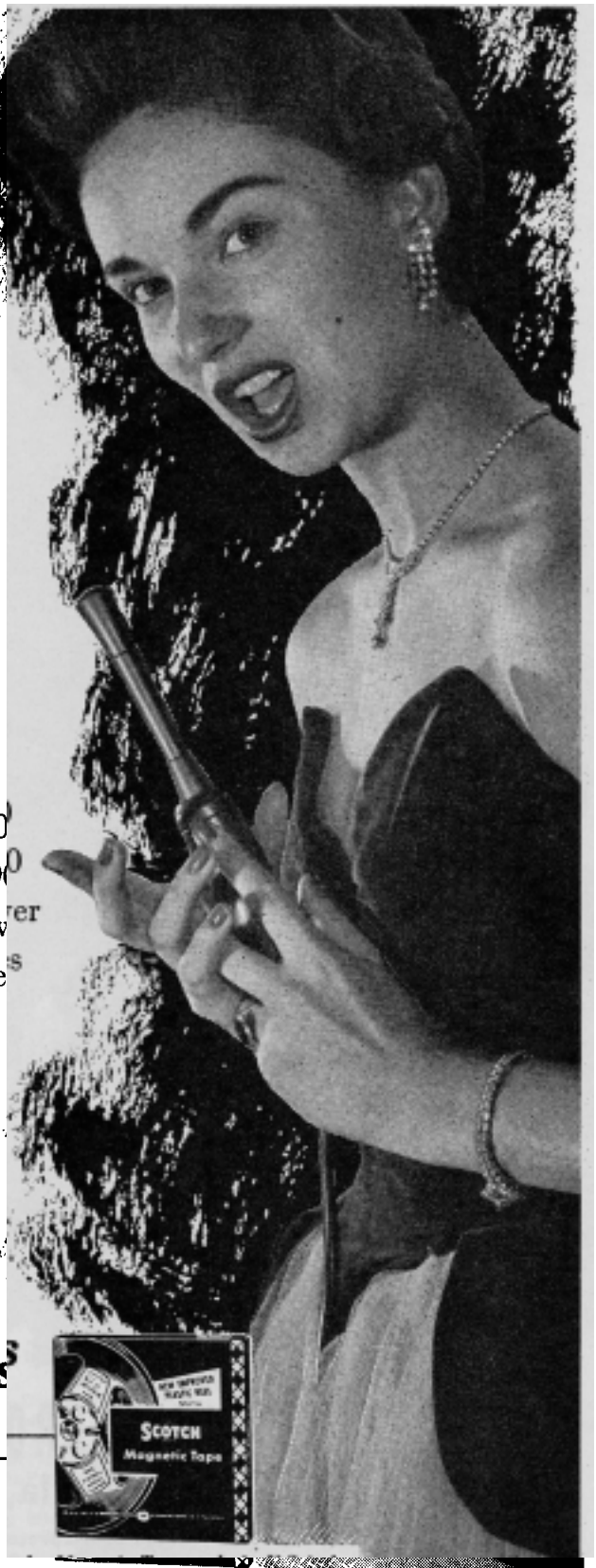


1. Scandinavia
2. Central-Europe
3. North America, East
4. North America, West
5. South America, North
6. South America, South
7. Africa, North
8. Africa, South
9. South Asia
10. East Asia
11. Australia

Enjoy your favorite radio programs any time . . . recorded on the

WORLD'S FAVORITE MAGNETIC RECORDING TAPES!

Concert artists . . . symphony orchestras . . . distant foreign stations . . . they all come to life again with amazing fidelity when you preserve them on "SCOTCH" Brand Magnetic Recording Tapes. A complete line to choose from: famous 111 Tape for low-cost recordings . . . brilliant 120 High Output Tape for highest fidelity . . . new 190 Extra Play Tape for added recording time. Discover for yourself why "SCOTCH" Brand Magnetic Tapes outsell all others. Ask for a demonstration at your dealer's today!



REG. TRADEMARK

SCOTCH

BRAND

Magnetic Recording Tapes

3M COMPANY

The term "SCOTCH" and the plaid design are registered trademarks for Magnetic Tape made in U.S.A. by MINNESOTA MINING AND MFG. CO., St. Paul 6, Minn. Export Sales Office: 99 Park Ave., New York 16, N.Y.

advertisement scotch magnetic recording tapes

advertisement manila Broadcasting Company MBC Philippines

1

2

3

PICTURES FROM THE RADIO-WORLD

1 United Nations Television Facilities: As television passes out of the experimental stage in an increasing number of countries, the television coverage provided by the U. N. Department of Public Information through its Radio Division, both live and kinescope, has shown a steady increase in volume and in the number of languages regularly used. This picture shows a television control room at U. N. Headquarters.

2 Nigerian Broadcasting Service - the Director of Broadcasting M. T. W. Chalmers presents the Osborne Memorial Award 1954 for African Music to Kokoro, the blind street singer from Lagos.

5 6

4

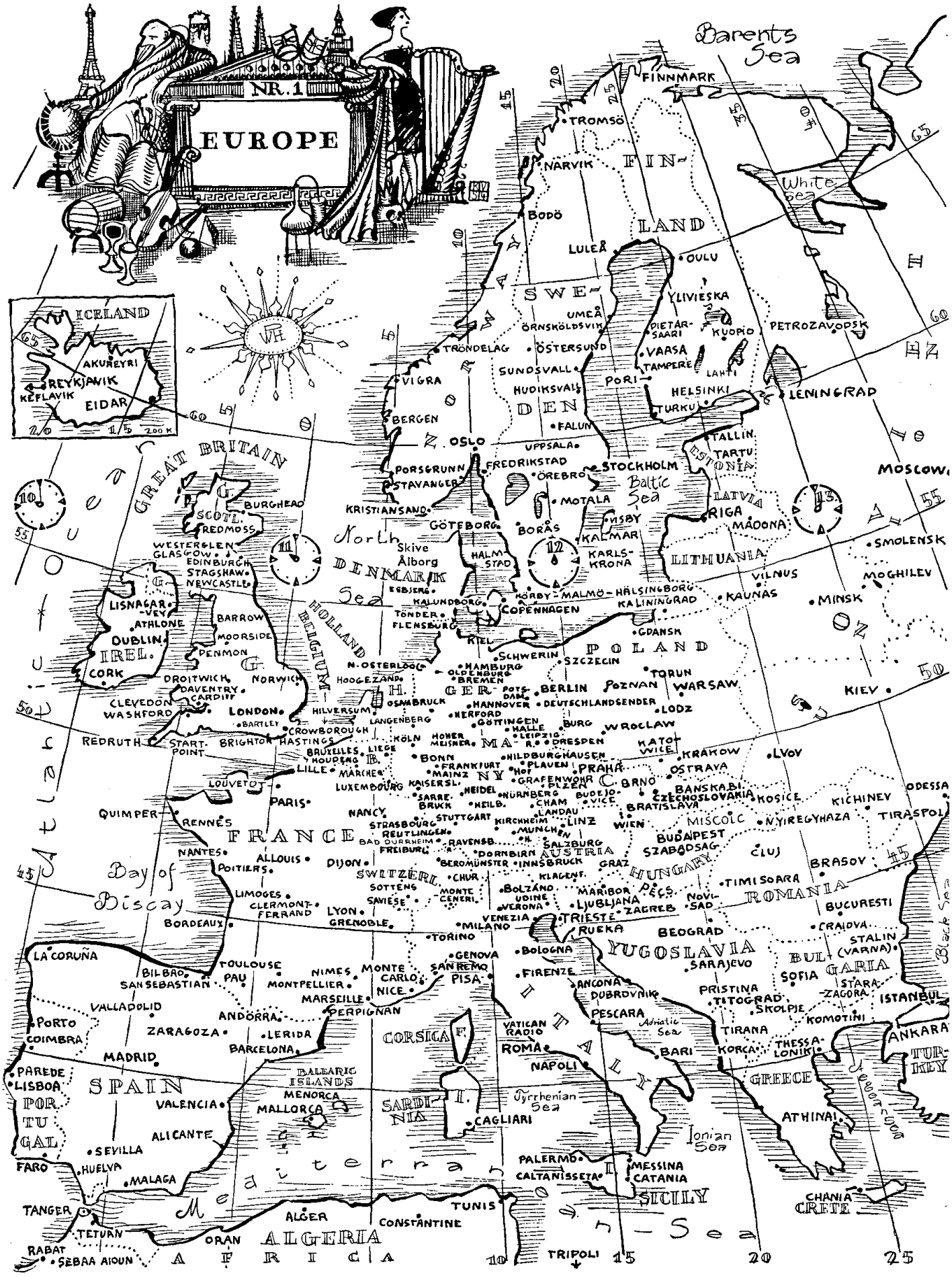
3 Radio Canada. Danish Section: Asmund Rostrup, announcer producer in Danish Section of CBC International Service recording interview with citizen of Canada's Maritime Provinces. CBC International Service sends teams of producers from time to time into various areas to get on-the-spot recording material.

4 Radio Congo Belge: Every week is broadcast a special broadcast for the native listeners arranged by "Le service d' Education de la Force Publique". The photo shows a group of Congolian soldiers singing one of their songs.

5 Central African Broadc. Station Lusaka: Request-programme announcer Joyce Kalisilila.

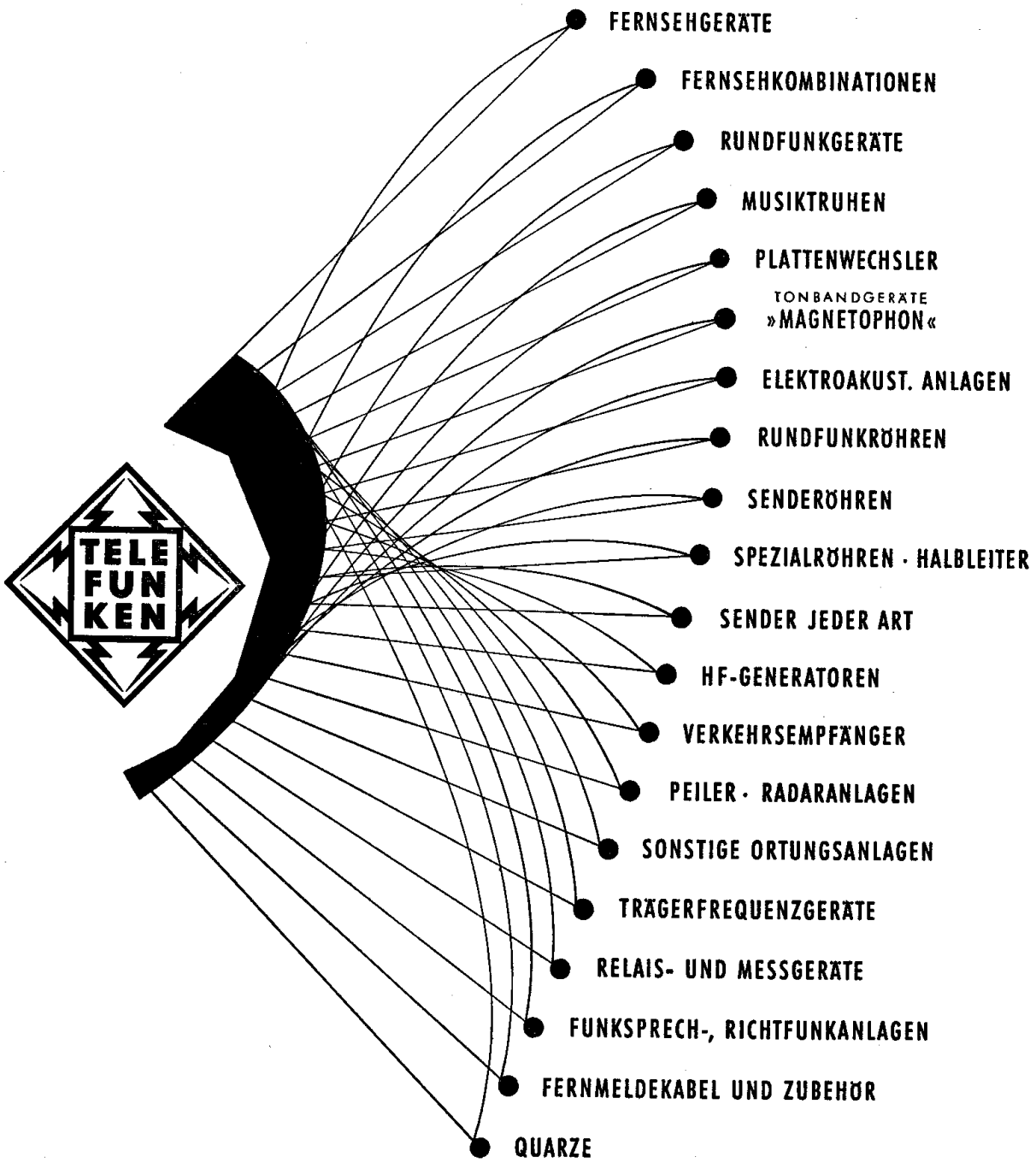
6 Europa I Saar: Line Renaud in her popular programme »a vu Line«.

pictures from the radio world United Nations Nigeria Nigerian Broadcasting service Lagos Radio Canada Central Africa lusaka Europe 1 Saar Radio Congo Belge


NR. 1
EUROPE
Barents Sea
White Sea
FINNMARK
TROMSÖ
NARVIK
FIN-
LAND
BODÖ
LULEÅ
OULU
SWE-
DEN
UMEÅ
ÖRNSKÖLDSVIK
YLIVIESKA
PIETÄR-SAARI
KUOPIO
PETROZAVODSK
TRÖNDELAG
ÖSTERSUND
VAASA
TAMPERE
LAHTI
SUNDSVALL
PORI
HUDIKSVALL
HELSINKI
LENINGRAD
VIGRA
TURKU
BERGEN
FALUN
OSLO
UPPSALA
TALLIN
TARTU
ESTONIA
MOSCOW
GREAT BRITAIN
PORSGRUNN
FREDRIKSTAD
STOCKHOLM
ÖREBRO
Baltic Sea
STAVANGER
SCOTL.
BURGHEAD
MOTALA
LATVIA
RIGA
MADONA
KRISTIANSAND
GÖTEBORG
BORÅS
VISBY
KALMAR
SMOLENSK
WESTERGLEN
GLASGOW
EDINBURGH
STAGSHAW
NEWCASTLE
Skive
Ålborg
HALM-STAD
KARLS-KRONA
LITHUANIA
VILNUS
MOGHILEV
DENMARK
Sea
EBBJERG
KALUNDBORG
KÖRBY
MALMÖ
HÄLSINGBORG
KALININGRAD
KAUNAS
MINSK
LISNAGAR-VEY
ATHLONE
BARROW
TÖNDER
FLENSBURG
COPENHAGEN
DUBLIN
MOORSIDE
HOLLAND
BELGIUM
KIEL
GDANSK
IREL.
PENMON
CORK
SCHWERIN
SZCZECIN
POLAND
N. OSTERLOOG
HAMBURG
OLDENBURG
BREMEN
TORUN
DROITWICH
DAVENTRY
CARDIFF
NORWICH
HOOGEZAND
GER-
POTS-DAM
BERLIN
POZNAN
WARSAW
CLEVEDON
WASHFORD
LONDON
OSNABRUCK
HANNOVER
DEUTSCHLANDSENDER
KIEV
HILVERSUM
HERFORD
LODZ
BARTLEY
LANGENBERG
GÖTTINGEN
HALLE
BURG
WROCLAW
CROWBOROUGH
REDRUTH
START-POINT
BRIGHTON
HASTINGS
KÖLN
HOHER MEISNER
LEIPZIG
DRESPEN
KATOWICE
BRUXELLES
LIEGE
HOUDENG
BONN
HILDBURGHAUSEN
KRAKOW
LVOV
LILLE
MARCHE
FRANKFURT
MAINZ
PLAUEN
PRAHA
OSTRAVA
LOUVETOT
LUXEMBOURG
KAISERSL.
GRAFENWOHR
PLZEN
BRNO
SARRE-BRUCK
HEIDEL
NÜRNBERG
BUDEJOVICE
BANSKA BI.
CZECHOSLOVAKIA
KOSICE
ODESSA
PARIS
HEILB.
CHAM
BRATISLAVA
KICHINEV
QUIMPER
RENNES
NANCY
STUTTGART
KIRCHHEIM
LINZ
WIEN
MISCOLC
NYIREGYHAZA
TIRASPOL
STRASBOURG
REUTLINGEN
MÜNCHEN
BUDAPEST
FRANCE
BAD OURRHEIM
RAVENSB.
SALZBURG
SZABADSAG
NANTES
ALLOUIS
FREIBURG
DORNBIRN
AUSTRIA
CLUJ
BRASOV
Bay of
Biscay
POITIERS
DIJON
BEROMÜNSTER
INNSBRUCK
GRAZ
HUNGARY
SWITZERL.
CHUR
KLAGENF.
TIMISOARA
LIMOGES
SOTTENS
MONTE CENERI
BOLZANO
MARIBOR
PECS
ROMANIA
CLERMONT-FERRAND
SAVIESE
UDINE
LJUBLJANA
NOVI-SAD
BUCURESTI
LYON
VERONA
ZAGREB
BORDEAUX
GRENOBLE
VENEZIA
TRIESTE
MILANO
RUEKA
BEOGRAD
CRAJOVA
TORINO
LA CORUÑA
GENOVA
BOLOGNA
YUGOSLAVIA
STALIN (VARNA)
TOULOUSE
SARAJEVO
BULGARIA
BILBAO
NIMES
MONTE CARLO
SAN REMO
SOFIA
SAN SEBASTIAN
PAU
MONTPELLIER
NICE
PISA
FIRENZE
STARA ZAGORA
ISTANBUL
VALLADOLID
MARSEILLE
ANCONA
PRISTINA
TITOGRAD
DUBROVNIK
ANDORRA
PERPIGNAN
SKOPJE
PORTO
PESCARA
Adriatic Sea
KOMOTINI
COIMBRA
ZARAGOZA
LERIDA
CORSICA
VATICAN RADIO
TIRANA
ANKARA
BARCELONA
ROMA
BARI
KORCA
THESSA-LONIKI
MADRID
NAPOLI
TURKEY
PAREDE
LISBOA
BALEARIC ISLANDS
ITALY
GREECE
SPAIN
VALENCIA
MENORCA
MALLORCA
SARDI-NIA
I.
Tyrrhenian Sea
ATHINAI
PORTUGAL
CAGLIARI
ALICANTE
Ionian Sea
SEVILLA
PALERMO
FARO
HUELVA
MALAGA
CALTANISSETA
MESSINA
CATANIA
SICILY
Mediterranean Sea
CHANIA
CRETE
TANGER
TUNIS
ALGER
CONSTANTINE
TETUAN
ORAN
ALGERIA
RABAT
SEBAA AIOUN
AFRICA
TRIPOLI
ICELAND
AKUREYRI
REYKJAVIK
KEFLAVIK
EIDAR
200 K

map europe

TELEFUNKEN



advertisement telefunken

Our organisation is unique, in so far as we have 1,900 types of transmitting, special purpose and receiving tubes in stock.

Already we serve many Broadcasting systems in all parts of the world.

We invite others to contact us with their enquiries.

Tubes supplied, where required, to CV, JAN and MIL specifications.

Our technical department will be pleased to advise on your problems.

HALL ELECTRIC LTD

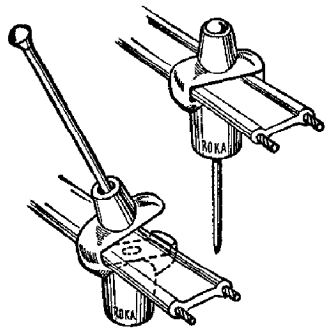
HALTRON

HALTRON HOUSE, 49-55 LISSON GROVE, LONDON N.W.1.

HALTRON

Tel., Ambassador 1041 (5 lines) Cables: Hallectric, London

advertisement haltron Hall Electric Ltd



ROKA

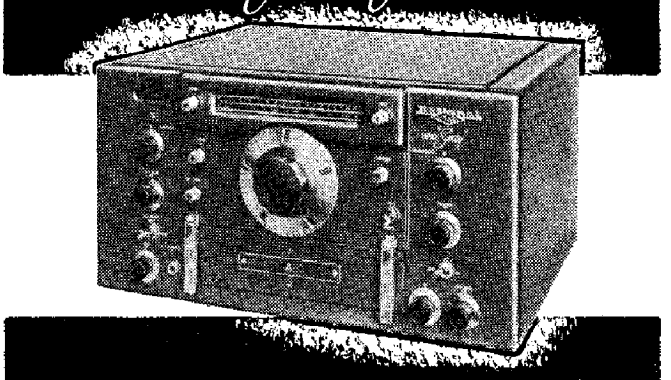
Little Berliners

The surprisingly simple and inexpensive indoor-isolators for 300 Ohm twin-lead.

Umbreakable,
symmetrical,
no loose parts,
safe

ROKA ROBERT KARST
Berlin-SW. 29. (U.S. Sector)

Choice of Professionals



THE NATIONAL HRO-SIXTY

This fine commercial receiver has a tuning range of 50-430 kc, 480 kc-35 mc, 50 mc-54 mc; sensitivity of 1 microvolt or better at 6 db signal-to-noise ratio; utilizes dual conversion and 12 permeability-tuned IF circuits. Selectivity variable from 8 kc overall to approx. 1200 cps at 40 db. Many other models, including SCR-3B single channel, crystal-controlled.

Full details available from

AD. AURIEMA, INC. 89 Broad Street New York 4, N.Y.

Number of licenses issued or receivers estimated in use.
Abbreviations: L = number of licenses issued. R = estimated number of receivers in use.
*: no license.

EUROPE		
Albania	R	150.000
Austria	L	1.762.791
Belgium	L	1.863.000
Bulgaria	R	350.000
Czechoslovakia	L	2.907.421
Denmark	L	1.348.396
Finland	R	1.050.000
France	L	9.375.133
Germany		
Fed. Rep.	L	13.084.024
Dem. Rep.	R	3.800.000
Gt. Britain	R	8.430.429
Greece	L	328.000
Greenland	R	3.100
Holland	R	2.430.000
Hungary	L	1.550.000
Iceland	L	40.595
Ireland	L	450.000
Italy	L	6.252.669
Luxembourg	L	81.980
Monaco	R	4.000*)
Norway	R	960.000
Poland	R	3.310.000
Portugal	L	502.040
Rumanian	R	1.230.414
Saar	L	235.000
Spain	R	1.700.000
Sweden	L	2.495.927
Switzerland	L	1.246.936
USSR. Eu.	R	6.900.000
Yugoslavia	R	450.000
AFRICA		
Algeria	L	325.570
Angola	R	50.000
Bechuanaland	R	1.000
Belgian Congo	R	14.000
Cameroons	R	10.000
Cap Verde Isl.	R	900
Egypt	R	1.000.000
Ethiopia	R	15.000
French Eq. Afr.	R	10.000
Gambia	R	600*)
Gold Coast	L	21.000
Guinea (Port)	L	900
Guinea (Sp.)	R	1.000*)
Ivory Coast	L	2.000
Kenya	L	18.065
Liberia	R	2.500*)
Libya	R	18.000
Madagascar	R	10.000*)
Mauritius	L	22.256
Morocco (Fr.)	L	283.000
Mozambique	L	12.500
Nigeria	R	38.000
N. Rhodesia	R	16.000*)
Reunion	R	6.000
Senegal	L	50.000
Sierre Leone	L	4.500
Somaliland (It.)	R	20.000*)
Somaliland (Br.)	R	2.000*)
Somaliland (Fr.)	R	30.000
S. Rhodesia	R	42.974
Sudan	R	6.000
Tanger	R	10.500*)
Tanganyika	L	1.300
Tunis	R	100.000
Union of S.Afr.	L	750.000
Zanzibar	R	2.500*)
NEAR EAST		
Aden	L	1.097
Afghanistan	R	10.000
Bahrein	R	5.000*)
Cyprus	R	70.000
Iran	R	200.000*)
Iraq	R	70.000
Israel	L	288.735
Jordan	R	20.000
Lebanon	R	70.000
Saudi Arabia	R	15.000*)
Syria	R	85.000
Turkey	L	1.024.057
EAST		
Borneo (N.Br.)	L	3.000
Burma	L	190.050
Cambodia	R	6.500
China, P. R.	R	1.600.000
Ceylon	L	100.000
Goa (Port)	R	30.000
Hong Kong	L	56.000
India		700.000
Indonesia	R	326.000
Japan	L	13.544.174
S. Korea	R	150.000*)
Macau	R	6.000
Malaya	R	165.000
Nepal	R	10.000*)
Pakistan	R	191.179
Sarawak	L	4.309*)
Taiwan	R	150.000
Thailand	R	219.408
Viet-Nam. S.	R	50.000
PACIFIC		
Australia	L	2.088.793
Fiji	R	5.000
Guam	L	25.000*)
Hawaii	R	150.000
New Caledonia	R	4.000
New Zealand	L	525.000
Philippines	L	217.000
Samoa, Western	L	1.500
Samoa, American	L	1.500
Tahiti	L	3.000*)
AMERICA, NORTH		
Alaska	R	110.000
Canada	R	6.350.000
United States	L	142.000.000
AMERICA, CENTRAL		
Bahamas	R	4.100
Barbados	R	9.400
Bermuda	R	16.000*)
Costa Rica	R	30.000*)
Cuba	R	1.000.000*)
Dominican Rep.	R	100.000*)
El Salvador	R	21.000*)
Guadeloupe	R	2.800
Guatemala	R	100.000
Haiti	R	18.000
Honduras (Br.)	R	1.500
Honduras (Rep.)	R	30.000
Jamaica	R	12.500
Leeward Isl.	R	6.200
Martinique	R	8.000
Mexico	R	1.600.000*)
Netherl. Ant.	R	15.000*)
Nicaragua	R	30.000*)
Panama	R	100.000*)
Puerto Rico	R	200.000*)
Trinidad	R	36.000
Virgin Island	R	6.000*)
Windward Isl.	R	2.600
AMERICA, SOUTH		
Argentina	R	2.900.000*)
Bolivia	R	200.000*)
Brazil	R	3.400.000*)
Chile	R	650.000*)
Colombia	R	500.000*)
Ecuador	R	100.000*)
Br. Guiana	R	28.700
Paraguay	R	80.000*)
Peru	R	500.000*)
Surinam	R	10.000*)
Uruguay	R	500.000*)
Venezuela	R	230.000*)

Berlingske Tidende

DENMARK'S LEADING DAILY

Founded 1749

advertisement Berlingske Tidende

THE CHRISTIAN BROADCASTER

Journal of religious broadcasting around the world

Published quarterly by the

World Committee for Christian Broadcasting

Subscription Rates
English Edition — $ 3.00 per 4 issues

Make checks payable to RAVEMCCO

156 Fifth Avenue
New York City 10, U.S.A.

For information about the German edition write: Church Radio Center, Bethel-Bielefeld, Germany.

sharq al adna

NEAR EAST ARAB BROADCASTING STATION

The Commercial Radio Station of the Arab World

covering EGYPT
LEBANON
SYRIA
JORDAN
IRAQ
KUWAIT
BAHREIN
SAUDI ARABIA

17 Victoria St. SW1 Phone ABB 5771-2
Phoenicia Rd., Beirut Phone 23102 - 25658

Frequency bands allocated to Broadcasting, Television and Amateurs.

The table below is based upon the Atlantic City Radio Regulations. For bands between 3 and 27,5 mc/s the present situation differs a little from the table in some cases. Some bands are shared with other services. **Region 1**: Europe, U.S.S.R. in Asia, Africa. **Region 2**: N. and S. America, Northeast. Pacific. **Region 3**: Asia exc. U.S.S.R., Australia, part of Pacific.
BC: Broadcasting (AM sound) – BC(trop): Broadcasting (AM sound, tropical zones) – BC(FM): Broadcasting (FM sound) – BC(TV): Broadcasting (Television) – AMAT: Amateurs.

	Region 1 kc/s	Region 2 kc/s	Region 3 kc/s
BC	150–285		
BC	525–1605	535–1605	535–1605
AMAT		1800–2000	1800–2000
BC(trop)	2300–2498	2300–2495	2300–2495
BC(trop)	3200–3400	3200–3400	3200–3400
AMAT	3500–3800	3500–4000	3500–3900
BC	3950–4000		3900–4000
BC(trop)	4750–5060	4750–5060	4750–5060
BC	5950–6200	5950–6200	5950–6200
AMAT	7000–7150	7000–7300	7000–7150
BC	7100–7300		7100–7300
BC	9500–9775	9500–9775	9500–9775
BC	11700–11975	11700–11975	11700–11975

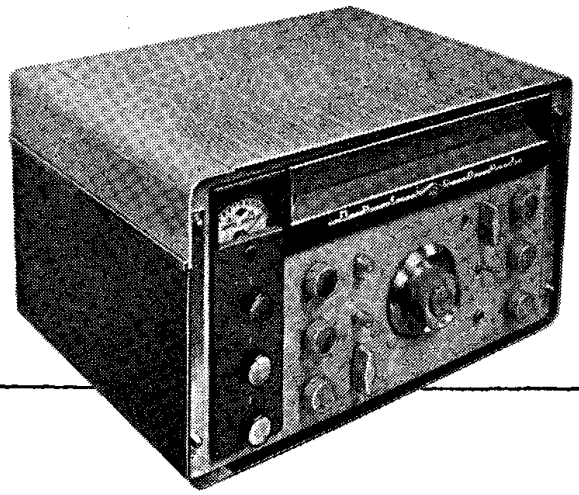
	Region 1 kc/s	Region 2 kc/s	Region 3 kc/s
AMAT	14000–14350	14000–14350	14000–14350
BC	15100–15450	15100–15450	15100–15450
BC	17700–17900	17700–17900	17700–17900
AMAT	21000–21450	21000–21450	21000–21450
BC	21450–21750	21450–21750	21450–21750
BC	25600–26100	25600–26100	25600–26100
AMAT	28000–29700	28000–29700	28000–29700
	mc/s	mc/s	mc/s
BC(TV)	41–68	44–50	44–50
AMAT		50–54	50–54
BC(TV)		54–72	54–68
BC(TV)		76–88	
BC(FM)	87,5–100	88–108	87–108
AMAT	144–146	144–148	144–148
BC(TV)	174–216	174–216	170–200
AMAT		220–225	
AMAT	420–460	420–450	420–460
BC(TV)	470–585	470–940	470–585
BC(TV)	610–960		610–960
AMAT	1215–1300	1215–1300	1215–1300
AMAT	2300–2450	2300–2450	2300–2450
AMAT		3300–3500	3300–3900
AMAT	5650–5850	5650–5925	5650–5850
AMAT	10000–10500	10000–10500	10000–10500

Message to WRH, continued from first page.

ASOCIACION DE RADIODIFUSORAS DE CHILE.
It is a special satisfaction for us to get the opportunity to congratulate you to this publication, which contains complete and up-to-date information about World Broadcasting and Television.
Ricardo Vivado O., Presidente

TURKISH PRESS, BROADCASTING AND TOURIST DEPARTMENT.
"On behalf of my staff, and personally, I should like to congratulate you for a job you have been doing so well for several years. The WRH develops continously from year to year. It contains a wealth of information accurately and attractively presented, which makes it a standard reference volume for our entire broadcasting staff. Besides, its value as a contributor to international understanding, is indisputable."
Salih Akgöl, Director General a. i.

RADIO – AFRICA – TANGER:
We thank you for your valuable endeavours to distribute all over the world information about Broadcasting and Television—a work of great value—not only for listeners, but also for broadcasting organizations. – Our heartiest congratulations to the WRH, which by help its information allow us all to find easy and quick the frequencies of the different broadcasting stations as well as the hours of the transmissions. In this way we learn about the culture and the thoughts of the other nations and their news etc. which altogether serve the great principle of the United Nations: Promotion of the understanding between the peoples of the world. – J. de Bournet, Adm. Dél.



Here are just a few of the many NC-300 features

Features the *greatest sensitivity* of any ham receiver at any price (3-6 db noise figure on all amateur bands) plus . . . *greater stability* than most receivers costing up to $695.

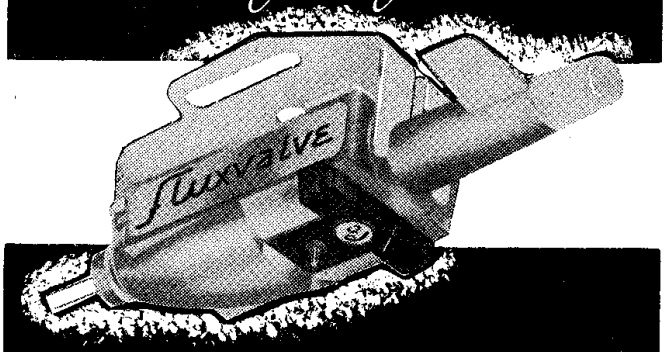
- Features a total of *10* dial scales for coverage of 160 to 1¼ meters with National's *exclusive* new converter provision with the receiver scales calibrated for 6, 2, 1¼ meters using a special 30-35 mc tunable IF band.
- Longest slide rule dial ever! More than a foot long! Easily readable to 2 kc without interpolation up to 21.5 mc.
- 3 position IF selector—.5 kc, 3.5 kc, 8 kc—provides super selectivity, gives optimum band width for CW, phone, phone net or VHF operation.
- Separate linear detector for single sideband . . . decreases distortion by allowing AVC "on" with single sideband . . . will not block with RF gain full open.
- Hi-speed, smooth inertia tuning dial with 40 to 1 ratio! Provides easier, more accurate tuning. Smoothest dial you've ever used.
- Exclusive optional RF gain provision for best CW results allows independent control of IF gain!
- Giant, easy to read, "S" meter!
- Provision for external control of RF gain automatically during transmitting periods.
- Muting provision for CW break-in operation.
- The newest look in ham receivers . . . "Massive in the modern manner" . . . truly a "dream receiver" that can be used either as a table or rack model!

tuned to tomorrow

NATIONAL COMPANY, INC.
c/o Ad Auriema, 89 Broad St., New York, N. Y. U.S.A.

National NC ®

Choice of Professionals



THE PICKERING "350"

The long record and stylus life essential to commercial operation is assured by the low tracking force (2 to 6 grams) of the "Fluxvalve 350" magnetic turnover pickup. Higher compliance and lower vibratory mass result in superior performance. One mil and half mil stylus, low and high impedances.

Full details available from

AD. AURIEMA, INC. 89 Broad Street New York 4, N. Y.

Listen to

the Voice of the Andes

International Missionary Station HCJB located at Quito, Ecuador South America.

For full details see Ecuador.

advertisement National Auriema HCJB Quito Voice of the Andes

Listen to this interval-signal from
DENMARK
the country where HELLESENS are produced –
the best batteries for perfect radio-reception.
RELIABLE – ECONOMICAL
Inquiries cordially invited

ABBREVIATIONS:

Addr. = Address
Adm. = Administrator
AEF = Afrique Equatoriale Française
Af = Africa
AFKN = American Forces Korea Network
AFN = American Forces Network
AFRTS = Armed Forces Radio and Television Service
AIR = All India Radio
Am. = America
A. M. = Amplitude modulation
Ann. = Announcement
AOF = Afrique Occidentale Française
Approx. = Approximately
Apr. = April
Apt. = Apartado
Ar. = Arabic
As. = Asia
Asst. = Assistent
Au. = Australia
Aug. = August
Av. = Avenue, Avenida

Bldg. = Building
B. P. = Boite Postale
Br. = British
Broadc. = Broadcasting
BR = Bayerischer Rundfunk
BWI = British Westindies

C = Central
Ca. = Canada
Ch. = Channel
Chi. = Chinese
Co. = Congo
Comm. = Commercial
Corp. = Corporation

D. = Daily
d. = Directional aerial
Da. = Danish
DS = Danish Ships
DDR = Deutsche Demokratische Republik
Dec. = December
Dept. = Department
Dif. = Difusora
Dir. = Director
Dir. Gen. = Director General
Du. = Dutch

E. = English
Ea. = East
E. by R. = English by Radio
Eng. = Engineer
Equ. = Equatorial
ERP = Effective radiated power
Eu. = Europe
exc. = except
exp. = experimental

F. = French
FCC = Federal Communication Commission
F. E. = Far East
Feb. = February
F. I. = Faroe Islands
Fi. = Finish
Fil. = Filipino
Fl. = Flemish
F. M. = Frequency modulation
F. Pl. = Future Plans
Fri. = Friday

G. = German
Gen. Mgr. = General Manager
G. M. T. = Greenwich Mean Time
GOS = General Overseas Service
Govt. = Government

h. = hour

I. = Italian
In. = India
Ind. = Indonesia, Indonesian
Inf. = Information
Int.-Sig. = Interval-Signal
Indep. = Independent

Jan. = January
Jap. = Japanese

kc/s = kilocycles
kW = kilowatt

L. P. = Leading Personality (ies)

M. = Manitoba
Man. = Managing
M. E. = Middle East (Near East)
Mgr. = Manager
Mo. = Monday

N. = News
n. = night
Nal. = Nacional
N. An. = Netherlands Antilles
Nat. = National
N Cal. = New Caledonica
NDR = Norddeutscher Rundfunk
N. E. = Near East
N. H. K. = Nippon Hoso Kyokyu
No. = North
Nov. = November
Nor. = Norwegian
N. Z. = New Zealand

O. = Ontario
occ. = occasionally
Oct. = October

P. = Portuguese
Pa. = Pacific
per. = period
Pro. = Province
Pr. = Private
Pres. = President
Prgr. = Programme
R. = Radio
Reg. = Regional
Rel. = Relay
RIAS = Rundfunk im amerikanischen Sektor
RTF = Radiodiffusion Television Française
Ru. = Russian

Su. = Summer
Sas. = Saturday
Sat. = Saturday
Secr. = Secretary
Sept. = September
So. = South
Sp. = Spain
St. = Station
Str. = street
Sun. = Sunday
sw = shortwave
Sw. = Sweden, Swedish
SWF = Südwestfunk
Ta. = Tahiti
Tag. = Tagalog
Tec. = Tecnic
Thai. = Thailand
Th. = Thai
Thurs. = Thursday
tr. = transmitter
Tu. = Turkey, Turkish
Tues. = Tuesday
T.V. = Television

U.K. = United Kingdom

Ver. = Verification
Vis = Visayan
VOA = Voice of America
W. = Weekdays
Wed. = Wednesday
Wi. = Winter

Yu. = Yugoslavia

advertisement cadena caracol colombia

EUROPE

★ ALBANIA ★

Local Time: 1 h. ahead of GMT. – **Language:** Albanian.

R. TIRANA (Govt.)
ADDR.: Direction Centrale de la Radiodiffusion d'Albania, rue Conference de Peza 3, Tirana. – **L.P.:** Dir.: Peter Kito.

STATIONS:

	kc/s	m	kW		kc/s	m	kW
Tirana	1358	220.9	50	Tirana	6815	44.00	3
Korca	1088	275.7	0.2	Tirana	7850	38.20	3

FOREIGN SERVICE:

		kc/s			kc/s
18.00	Russian	7850	20.30	English	6815/7850
18.00	Albanian	6815	21.00	French	6815/7850
19.00	Serbo-Croat	7850	21.30	Albanian	6815/7850
19.30	Greek	6815/7850	22.00	English	6815
20.00	Italian	6815/7850	22.30	French	6815

On 1358 kc/s: 22.00–23.30: 22.00 **Italian** – 22.30 **Greek** – 23.00 **Serbo-Croat.**

ANN.: "This is Radio Tirana, Albania on 38.2 m." – **INT.-SIG.:** 7 musical notes played on piano. – **VER.** by letter.

R. SHKODRA, Shkodra: 8215 kc/s 36.52 m 0.2 kW. – **N. in Albanian:** 19.00

ANN.: "Ketu flet Shkodra."

★ ANDORRA ★

Local Time: 1 h. ahead of GMT. – **Language:** French, Spanish.

RADIO ANDORRA (Pr. Comm.).
ADDR.: Roc des Anelletas, Andorre La Vielle (Principauté d'Andorre). – **Cable:** "Radio Andorra".
L.P.: Dir. Gen.: Georges Dahlquist. Chief-Eng.: Lucien Killmayer. Secretariat Gen.: Mlle. Julia Canut and Mlle. Ramona Caminal. Dir. Studios: Paul Servant. Dir. Prgr.: Amédée Rossell. Dir. Listeners Service: Mlle. Montserrat Rodriquez. Dir. Tec.: Paul Cousse.

STATIONS: Radio Andorra
998 kc/s 300.9 m 60 kW – 5972 kc/s 50.22 m 25 kW
Time-Sig.: Every 15 min. – **Prgr.** for Spain, Portugal, France, Switzerland, Italy and N. Africa.

ANN.: **F.:** "Ici Radio Andorre". **Sp.:** "Aqui Radio Andorra – Roc de les Anelletes – Andorra la Vieja – Principado de Andorra". – **INT.-SIG.:** Gong low. Open and close with "Hymne National Andorran" and "Marche des Conseillers andorrans". – **VER.** by QSL-card. – **F.PL.:** m.w. 100 kW.

AZORES ★

Local Time: 2 h. behind GMT (Su 1 h.). **Language:** Portuguese.

EMISSORA REGIONAL DOS ACORES (GOVT).
ADDR.: Av. Gaspar Fructuoso, Ponta Delgada. S. Miguel.
L. P.: Mgr. Carlos C. L. Araujo.

HOME SERVICE:
CSA93 4865 kc/s 61.66 m 1 kW: 20.00–21.00 to Portugal, 21.15–24.00.
N.: D. 20.30–22.30. – **Listeners Choice:** Tues. 23.00, Thurs. 21.30.
Weatherrep.: D. 00.01, 21.15.

ANN.: "Aqui Portugal, Ponta Delgada, Emissora Regional dos Açores da Emissora Nacional". – **INT.-SIG.:** Clock chimes.

EMISSORA DO CLUBE ASAS DO ATLANTICO (PR. COMM.).
ADDR.: Aeroporto de Santa Maria, Açores.
L. P.: Dir. Tec.: Eng. Arménio Frazao.

HOME SERVICE: D. 21.00–22.00, 23.00–01.00. Sun. also 13.00–15.00.
CSB81 1571kc/s 191m 0.08kW – **N.:** 24.00. – **Weatherrep.:** 21.00, 24.00.

ANN.: "Aqui Santa Maria. Fala a Estacao Emissora do Clube Asas do Atlantico". – **INT. SIG.:** Opens with music played on a Portuguese string instrument (viola) and a guitar. – **VER.** by letter.

RADIO CLUB DE ANGRA (Comm.)
ADDR.: Rua Conselheiro Anastacio de Bettencourt, Angra do Heroismo Ilha Terceiro. – **L. P.:** Pres.: J. Menezes. Dir. Tec.: J. E. L. Fernandes. – **HOME SERVICE:** 1322 kc/s 226.9 m 0.15 kW: W. 20.00–23.00. Sun. 12.00–16.00. – **National Music:** D. 21.00–21.30. – **N.:** W. 21.30. Sun. 14.30.

★ AUSTRIA ★

Local Time: 1 h ahead of GMT. – **Language:** German.

OSTERREICHISCHER RUNDFUNK (Govt.).
ADDR.: Osterreichischer Rundfunk, Wien I, Kärntnerring 5 (Tel.: R10550). – **Cable:** Rundfunk Wien. – **Competent Authorities:** Osterreichische Bundesregierung.
L.P.: Board of Directors: Dipl. Ing. Wilhelm Füchsl. Prof. Dr. Alfons Übelhör. – **Central Departments:** Prgr. Dir.: Prof. Dr. Rudolf Henz. Tecnic: Dr. Georg Skalar (studios). Ing.: Gottfried Caspar (transmitters). Adm: Ing.: Adolf Prager.
STUDIOS: R. Graz: Zusertalgasse 14a, Graz III. **Cable:** Radio Graz. Provisional Mgr.: Intendant Peter Goritschnig. Prgr.: Otto Hofmann-Wellenhof. Tec.: Ing. Wilhelm Walzel. Adm.: Dr. Walter Skala. – **R. Klagenfurt:** Sponheimerstrasse 13, Klagenfurt. **Cable:** Radio Klagenfurt. Intendant: Peter Goritschnig. Prgr.: Eng. Josef Dörflinger. Tec.: Ing. Herbert Lampersberger. Adm.: Leopold Seiser. – **R. Linz:** Obere Donaulände 1, Linz. **Cable:** Radio Linz. Intendant: Alfred Schwetz (also Prgr.). Tec.: Ing. Fritz Löffler. Adm.: Eng. Andreas Hempfinger. – **R. Salzburg:** Franziskanergasse 5, Salzburg. **Cable:** Radio Salzburg. Intendant: Dr. Paul Becker (also Prgr.). Tec.: Eng. Ernst Walzel. – **R. Tirol:** Landhaus Neubau, Innsbruck. **Cable:** Radio Tirol. Intendant: Dr. Josef Scheidle (also Prgr.). Tec.: Dipl. Eng. Rudolf Ottenthal. Adm.: Hans Frei. – **R. Vorarlberg:** Neues Rathaus, Dornbirn. **Cable:** Radio Vorarlberg. Prov. Mgr.: Ernst Bohac (also Prgr.). Tec.: Eng. Karl Brüstle. – **R. Wien:** Argentinierstrasse 30a, Wien IV. **Cable:** Radio Wien. Intendants: Hans Bujak, Dr. Siegmund Guggenberger. Prgr.: Dr. Ernst Glaser. Tec.: Eng. Anton Sevcik. Adm.: Dr. Dipl. Kfm. Rudolf Pristov. – **Television:** see Television

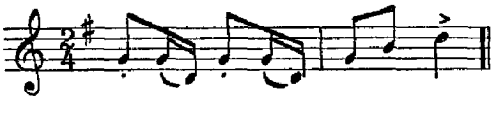
HOME SERVICE:
FIRST PROGRAMME: W.: 04.30–24.00. Sun. 05.00–24.00.
MEDIUM WAVES:

	kc/s	m	kW		kc/s	m	kW
Aldrans I	629	476.9	25	Linz	890	337.1	15
Lauterach I	629	476.9	25	Graz I	1394	215.2	25
Klagenfurt I	728	412.1	25	Wien I	1475	203.4	25
Salzburg I	773	388	1				

LOW POWER STATIONS:

	kc/s	m	kW		kc/s	m	kW
Eisenkappel	520	576.9	0.05	Lend	773	388	0.05
Feldkirchen	520	576.9	0.05	Oberdraub.*	773	388	0.05
Gmünd*	520	576.9	0.05	Spittal/Drau*	773	388	0.1
Bad Ischl*	566	530	0.05	Krems	1052	285.2	0.05
Braunau	566	530	0.05	Neunkirchen	1052	285.2	0.05
Feistritz	566	530	0.05	Friesach	1088	275.7	0.05
Maria Pfarr*	566	530	0.05	Kindberg	1088	275.7	0.05
Radstadt*	566	530	0.05	Knittelfeld*	1088	275.7	0.05
Zell/See*	566	530	0.05	Liezen	1088	275.7	0.05
Kitzbühel*	629	476.9	0.05	Völkermarkt	1088	275.7	0.05
Bad Aussee*	674	445	0.025	Wolfsberg	1088	275.7	0.05
Bischofshofen*	674	445	0.05	Hofgastein*	1124	266.9	0.05
Bleiburg*	674	445	0.05	Imst	1124	266.9	0.05
Gloggnitz	674	445	0.05	Kufstein*	1124	266.9	0.015
Greifenburg*	674	445	0.05	Mayrhofen*	1124	266.9	0.045
Leoben*	674	445	0.1	Bruck/Mur*	1394	215.2	0.1
Maria Zell	674	445	0.05	Eisenerz*	1394	215.2	0.1
Matrei	674	445	0.05	Judenburg*	1394	215.2	0.1
Murau*	674	445	0.025	Mürzzuschl.*	1394	215.2	0.1
Radenthein*	674	445	0,1	Amstetten	1457	205.9	0.05
Ried	674	445	0.05	Schruns	1457	205.9	0.05
Windisch-garsten*	674	445	0.035	Wr.Neustadt	1457	205.9	0.05
Admont	692	434	0.03	St.Pölten	1484	202.1	0.2
Kötschach*	692	434	0.1	Bludenz*	1493	200.9	0.015
Landeck*	692	434	0.05	Mittersill	1493	200.9	0.05
Lienz*	692	434	0.08	Reutte*	1493	200.9	0.015
Obervellach*	692	434	0.05	Saalfelden	1493	200.9	0.05
Villach*	692	434	0.1	Schwarzach	1493	200.9	0.05
Zwettl	692	434	0.05	St.Michael/ Lungau	1493	200.9	0.05
Hermagor*	773	388	0.05	Wörgl*	1493	200.9	0.05

* operated by postal administration.
FM-Stations: Schöckl I 91.2 mc/s 50 kW – Jauerling I 94.3 mc/s 10 kW. Kahlenberg I 95.8 mc/s 50 kW – Gaisberg I 99.0 mc/s 50 kW.
N., Weatherrep., Time-Sig.: W.: 04.45, 05.45, 11.30, 16.00, 19.00, 21.00, 23.00 (Sat. 24.00). Sun.: 05.05, 05.45, 07.00, 11.30, 16.00, 19.00, 21.00, 23.00.
ANN.: "Hier ist der Osterreichische Rundfunk, Erstes Programm, von Radio... (name of studio) hören Sie...". – **INT.-SIG.:** Extract from ballet-music from "Rosamunde" by Franz Schubert



SECOND PRGR.: W. 04.30–24.00. Sun. 05.00–24.00.

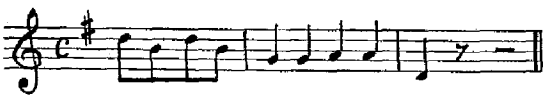
MEDIUM WAVES:

	kc/s	m	kW		kc/s	m	kW
Aldrans 2	520	576.9	10	Dobl	1025	292.7	100
Klagenfurt 2	584	513.7	7	Kronstorf	1025	292.7	100
Salzburg 2	584	513.7	10	Lauterach 2	1025	292.7	5
Wien 2	584	513.7	100				

N., Weatherrep., Time-Sig.: W.: 05.00, 06.00, 07.00, 12.00, 16.00, 18.00, 21.00, 23.00 (Mo.–Fr. also 22.00). Sun.: 06.00, 12.00, 16.00 18.00, 21.00, 23.00

ANN.: "Hier ist der Osterreichische Rundfunk, Zweites Programm, von Radio... (name of studio) hören Sie...".

INT.-SIG.: Extract from Opera "Die Zauberflöte" by W.A.Mozart



THIRD PRGR.: Mo.–Fr.: 14.00–22.10. Sat. 13.15–22.10. Sun. 13.00–22.10.

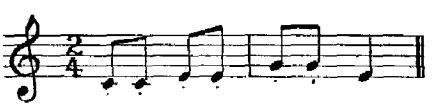
FM-STATIONS:

	mc/s	kW		mc/s	kW		mc/s	kW
Innsbruck	88.5	0.3	Gaisberg 2	94.8	50	Linz	99.3	1
Jauerling 2	88.8	10	Schöckl 2	95.4	50	Kahlenb. 2	99.9	50
Klagenf.	93	1	Kanzelh.	97.8	0.1			

N., Weatherrep., Time Sig.: W.: 17.00, 20.00, 22.00 (Mo.–Fr. also 14.00). Sun.: 13.00, 16.00, 17.00, 20.00, 22.00.

"Second Prgr." relayed by the transmitters of the "Third Prgr." Mo.–Fr.: 04.30–14.00. Sat. 04.30–13.15. Sun. 05.00–13.00.

ANN.: "Hier ist der Osterreichische Rundfunk, Drittes Programm, von Radio... (name of studio) hören Sie...". – **INT.-SIG.:** Extract from G-Mayor Symphony with the kettle drum beats by Joseph Haydn



SHORT WAVE TRANSMISSIONS (irregular):

		kc/s	m	kW	
OEI30	Kronstorf	5985	50.13	4	07.00–09.00, 13.00–17.00
OEI20	Innsbruck	6000	50	0.4	04.30–24.00
OEI21	Wien	6155	48.74	0.2	04.30–24.00
OEI31	Wien	7135	42.05	0.3	09.00–12.55
OEI22	Kronstorf	7245	41.41	4	00.00–02.00, 09.30–12.30
OEI22	Wien	7245	41.41	0.3	04.30–08.55, 17.00–23.55
OEI32	Wien	9505	31.56	0.3	16.00–18.55
OEI33	Wien	9615	31.20	0.3	05.00–06.55
OEI23	Kronstorf	9665	31.04	4	19.00–22.00
OEI23	Wien	9665	31.04	0.3	07.00–15.55, 22.00–24.00
OEI35	Wien	11775	25.48	0.2	17.05–17.45
OEI24	Wien	11785	25.46	0.2	04.30–17.00, 18.00–24.00
OEI36	Wien	11935	25.14	0.2	02.30–04.55
OEI37	Wien	17795	16.85	0.03	13.00–15.00, 16.00–18.00
OEI38	Fleckendorf*	25615	11.71	20	07.00–09.00
OEI39	Fleckendorf*	25945	11.56	20	10.25–11.25

* operated by postal administration.

VER. by QSL-card or letter. – **PUBLICATIONS:** "Radio Osterreich", weekly.

★ BELGIUM ★

Local Time: 1 h. ahead of GMT. – **Languages:** French, Flemish.

BELGIAN NATIONAL BROADCASTING SERVICE (GOVT.).

ADDR.: Institut National Belge de Radiodiffusion, Place Eugéne Flagey 18, Bruxelles. **Cable:** I. N. R. Bruxelles.

L. P.: The Pres. of the Conseil de Gestion Minister of Communications: Ed. Anseele. **Flemish Dept.:** Dir. Gen.: Jan Boon. Deputy Dir. Gen.: Gust de Muynck. Dir. of Spoken Word: R. Brulez. For Press and Information: H. Engels. Dir. Music: L. Gras. **French Dept.:** Dir. Gen.: Roger Clausse. Asst. Dir. Gen.: Fr. Hoosemans. Dir. Music: G. Brenta. Dir. of Spoken Word: M. Hankard. For Press and Information: André Guery. **Technical Dept.:** Dir. Gen.: F. Mortiaux. Asst. Dir.: G. Hansen. **Foreign Relations:** M. Swaenepoel.

HOME SERVICE:

FRENCH NETWORK:

Bruxelles I (National)	620 kc/s	483.9 m	150	kW
Bruxelles IV (Regional)*	1124 –	266.9 –	10	–
Bruxelles FM	95.4 mc/s		1	–

*) Prgr. from studios in Mons., Namur, Liége, Arlon.

On 620 kc/s: W.: 05.30–09.00, 11.00–22.00 (Sat. 23.00), Sun. 05.30–23.00.

N.: 06.00, 07.00, 08.55, 12.00, 18.30, 21.00, 21.55, Sat., Sun. 22.55. – **Weatherrep.:** 11.30 and during news bulletins. – **Time-Sig.:** 06.00–07.00. Sun. 09.00, 11.00, 12.00, 16.00, 19.00, 21.00. – **Religious Prgr.:** Sun. 18.00–18.30. Bel Canto: Sat. 13.30–14.30 followed by **Listeners Requests. Symphony:** Tues. 19.00 or 19.15. **For Troops:** 17.00.

On 1124 kc/s: 09.00–14.30, 17.00–22.00. **German:** W. 16.20–16.50.

On 95.4 mc/s (relay 620 kc/s): Sun. 12.00–23.00. Wed., Fri. 12.00–22.00.

FLEMISH NETWORK:

Bruxelles II (National)	926 kc/s	324.0 m	150	kW
Bruxelles III (Regional)**	1511 –	198.5 –	20	–
Bruxelles FM	95.4 mc/s		1	–

** Prgr. from studios in Kortrijk, Ghent, Antwerp, Hasselt.

On 926 kc/s: W.: 05.30–09.00, 10.45–22.00 (Sat. 23.00). Sun. 05.30–23.00.

N.: 06.00, 07.00, 08.00, 12.00, 18.00, 21.00, 22.00. – **Weatherrep.:** 05.30, 11.30 and during news bulletins. – **Time-Sig.:** 06.00, 07.00, 11.00, 12.00, 18.00, 21.00. – **Religious Prgr.:** Sun. 17.30–18.00. – **Language: Lessons:** Thurs. 13.00–13.30 English. – **Symphony:** Fri. 91.00 or 19.15. – **Bel Canto:** Sun. 13.00–14.30.

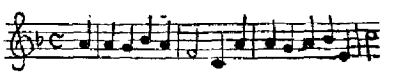
On 1511 kc/s: 09.00–13.00, 15.30–22.00.

On 95.4 mc/s: (relay 926 kc/s): Mo., Tues., Thurs. 12.00–22.00. Sat. 12.00–23.00.

ANN.: F.: "Ici Bruxelles, Radiodiffusion Nationale Belge". **Fl.:** "Hier Brussel, de Belgische Nationale Radioomroep". **E.:** "Here Brussels, the Belgian National Broadcasting Station".

INT.-SIG.: French Network National: Extract from Grety's famous melody "Ou peut-on etre mieux".

Flemish Network National: The first movement of "Beiaardlied". (Extract from Rubens' cantata by Peter Benoit).



VER. by QSL-card or letter.

PUBLICATIONS: "De Radio and Televisieweek" and "Mikro-Magazine-Television". Weekly.

FOREIGN SERVICE

ADDR.: Overseas Service of the BNBS, P.O. Box 26, Bruxelles I. **Cable:** I. N. R. Mondial.

L. P.: Dir.: Frans Zoete. Public Relations: Maurice Tillière.

STATIONS: ORU, Wavre: ORU3 = 100 kW; ORU4 = 100 kW; ORU5 = 20 kW; OTC, Leopoldville, Belg. Congo = 50 kW.

Call	kc/s	m	Call	kc/s	m	Call	kc/s	m
ORU4	6085	49.30	ORU3	9767	30.71	ORU4	15335	19.56
ORU3	9144	32.80	ORU4	9765	30.71	ORU3	17845	16.81
OTC	9655	31.07	OR4	11720	25.60	ORU3	17860	16.80
ORU5	9705	30.91	ORU4	11850	25.32	ORU4	21510	13.94
ORU3/5	9745	30.78	ORU5	11850	25.32			

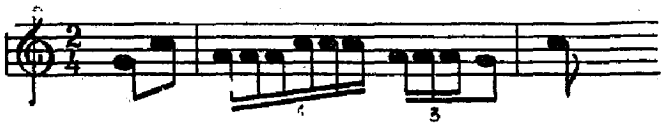
D. PRGR.:

Oct./Feb.		Areas			
French/Dutch			**Dutch/French**		
10.00–12.00	17860	C, FAf	17.00–17.45[2])	9745	Af.
	21510	C, FAf		15280	NAm
12.00–12.15[1])	17845	F. Af.	17.45–18.00[1])	15335	SEu
	15280	SEu		15335	FAf
	21510	FE	**French/Dutch**		
French/Dutch			18.00–19.00	9745	C, FAf
12.15–13.00[2])	17845	Af		11850	
	15280	SEu	19.00–21.00[5])	9745	C, FAf
	21510			11850	
Sun. only.	17845	C, FAf	**Dutch/French**		
	21510	C, FAf	21.15–23.00[3])	9745	SAm
13.30–15.00[4])	21510	C, FAf		11850	
13.30–15.00[4])	17845	C, FAf	**French/Dutch**		
	15335	NAm	23.15–01.00[3])	9655	Af
15.00–16.45[4])	21510			9745	AmN
				11850	SAm

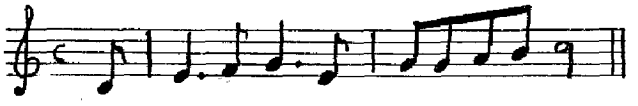
f) Musical Interlude. –)) For Belgian Missionaries and Seamen. – [8]) For Belgian Seamen and Belgians in the World. – [4]) Sport and music. – [5]) Bilingual Mo., Wed., Fri., Sat., Sun. – /) Progr. from Brussels via Leopoldville.

ANN.: F.: "Ici Bruxelles, Service d'ondes courtes de la Radiodiffusion Nationale Belge." – **Dutch:** "Hier Brussel de kortegolfuitzendingen van de Belgische Nationale Omroep"

STARTING-SIGNAL: Xylophone



INT.-SIG.: Chime. First bars of "Vers l'Avenir"



VER. by QSL-card. Return postage not required

★ BULGARIA ★

Local Time: 2 h. ahead of GMT. – **Language:** Bulgarian.

ADDR.: Bulgarian Broadcasting at the Ministry of Culture, 4 Dragan Zankov Str., Sofia. **Cable:** Bolgarradio. – **L. P.:** Chief of Broadcasting: Misho Nicolov.

HOME SERVICE:

	kc/s	m	kW	h. of tr.
Sofia II	593	506	20 d	03.25–04.30, 05.45–08.30, 13.00–22.00
Sofia I	827	362.7	100**)	03.25–08.32, 09.55–13.02, 14.53–20.30.
Stalin	1124	267	5*)	03.25–05.29, 05.45–08.32
Stara Zagora	1223	245	20[2])	09.55–13.02, 14.53–22.00
Sofia III	7670	39.11	5	05.45–08.30, 09.55–13.02

**) National Station "Christo Botev". *) Regional Relay.

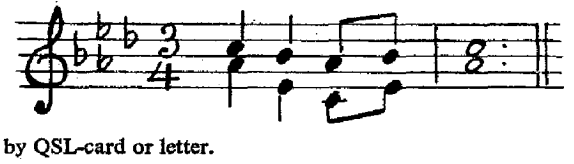
N. and commentary: 03.30[1]), 04.30[2]), 10.30[3]), 12.00[4]), 16.00[2]), 18.30[1]) 20.30[6]), 21.45[5]).
[1]) 593, 827, 1124, 1223 kc/s. [2]) 827, 1124, 1223 kc/s. [3]) 827, 1124, 1223, 7670 kc/s. [4]) 9700 kc/s for Bulgarians abroad. [5]) 593, 1124, 1223 kc/s.

N.: 13.30–14.00 on 593 kc/s. – **Time Sig.:** (all frequencies) 06.30, 10.00 (exc. 593), 15.00 (exc. 7670). – **Prgr. Preview:** (all m.w.): 03.25, 09.55, 13.02 (593 only), 14.55, 16.55, 20.28 (827 only), 21.55 (exc. 827).

FOREIGN SERVICE:
Sofia: 100 kW 6070 kc/s 49.42 m. 7670 kc/s 39.11 m. 7255 kc/s 41.35 m 9700 kc/s 30.93 m. Winterschedule not yet prepared.

ANN.: All broadcasts in foreign languages for the Foreign Service begin with orchestral arrangement of a Bulgarian theme. **E.:** "This is Sofia Bulgarian calling----- (h. and frequencies). **Bulgarian** for the Bulgarians in South America: "Govori Sofia". – **F.:** "Ici Sofia, Radiodiffusion Bulgare---". **Tu.:** Burasi Sofia radiusu-----". – **Gr.:** "Milai Sofia----". – **G.:** "Hier spricht Sofia---". – For Yugoslavia: **Serbian and Macedonian:** "Govori Sofia". Zapochvame nashata emissia za trudeshtite se na FNRJ (We begin our transmission to the working people of FNRJ"). – **I.:** "Qui é Radio Sofia. Qui a Radio Sofia. Nella sue trasmissioni per l'Italia----". – **Arabic:** "Hunia Sofia----". –

INT. SIG.: The beginning of a Bulgarian song, which begins with the words "Dear Homeland":



VER. by QSL-card or letter.

★ CZECHOSLOVAKIA ★

Local Time: 1 h. ahead of GMT. – **Language:** Czech, Slovak.

CESKOSLOVENSKY ROZHLAS (Govt.).
ADDR.: Stalinova 12, Praha 12. – **Cable:** "Radiopraha".
L.P.: Dir. Gen.: F. Necásek. Dep. Dir. Gen.: J. Hrebik and Eng. M. Vrabec. Reg. Dir.: J. Vrabec. Dir. Tec.: J. Benes. Chief Eng.: M. Kazda. Dir. Adm.: V. Ferst. Dir. Music: V. Musil. Head of Foreign Service: B. Svec. Head of Foreign Rel. Dept.: K. Reif. Dir. Prgr. for children and youth: Dr. J. Kolár. Dir. Literary Dept.: Dr. V. Feldstein.

HOME SERVICE

	kc/s	m	kW		kc/s	m	kW
Praha II	272	1102.9	200	Praha II	1286	233.3	100
Praha I	638	470.2	120	Ustí n. Lab.	701	427.9	3
Bratislava II	701	427.9	2	Liberec	701	427.9	3
Banska Bystr.	701	427.9	100	Hrad. Králové	701	427.9	3
Kosice	701	427.9	2	Tatry	1484	202.2	0.25
Brno	953	314.7	100	Ceské Budejo.	1520	197.3	5
Plzen	953	314.7	15	Karlovy Vary	1520	197.3	15
Bratislava I	1097	273.5	150	Praha II	1520	197.3	15
Kosice, Orava	1232	243.5	100	Ostrava	1520	197.3	20/5

PRAHA I: In Czech:
On 638/953 kc/s: W. 03.30–23.00 (Sat. 24.00). Sun. 05.00–23.00.
N.: 04.00, 05.00, 06.00, 11.30, 18.00, 18.50, 21.00, 22.50. – **Weatherrep.:** 04.00 (W.), 05.00, 06.00, 08.55, 11.30, 17.55, 21.00. – **Time-Sig.:** 03.30–07.00 each 15 min., 08.00, 09.00, 11.30, 13.00, 13.30, 15.00, 16.00, 17.00, 18.00, 21.00, 23.00. – **National Music:** W.: 03.30, 04.25, 06.15, 07.00 or 08.00, 10.30 (Tues, Thurs., Sat.), 11.50 (Tues., Wed., Fri., Sat.), 19.00 (Thurs., Fri.), 21.20 (Wed., Thurs., Sat.), 22.00 (Mo., Tues.). Sun.: 05.00, 07.05, 09.00, 11.35, 14.00, 21.20. – **Night Concert** of classical music (ann. in Czech, Russian, G., F. & E.): 21.50 (Wed., Thurs., Sun.), 21.40 (Fri.). – **Language Lesson (Russian):** Mo., Wed. 16.15–16.30.

PRAHA II in Czech:
On 272/1286/1520 kc/s: W.: 03.30–07.00, 08.50–23.00 (Sat. 24.00). Sun. 05.00–23.00.
N.: as Praha I exc. 21.30 instead of 21.00. – **Weatherrep.:** 04.00 (W.), 05.00, 06.00, 11.30, 17.55, 21.30. – **Time-Sig.:** 03.30–07.00 each 15 min., 09.00, 11.30, 13.00, 15.00, 17.00, 18.00, 21.30, 23.00. – **National Music:** W.: 03.30, 04.35, 06.15, 19.00 (Mo., Wed.), 20.30 (Sat.), 21.00 (Tues.–Fri.). Sun.: 05.00, 19.00, 21.50. – **Night Concert** of classical music (ann. in Czech, Russian, G., F. & E.): 21.50 (Mo., Tues., Sat.). – **Language Lesson (Russian):** Tues. 16.20–16.30.

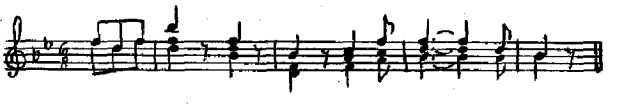
BRATISLAVA: In Slovak, Hungarian:
On 1097/1232 kc/s: W.: 04.00–07.00, 08.55–23.00. Sun. 05.00–23.00.
N. in Slovak: 04.00 (W.), 05.00, 06.00, 11.30.
On 701/1484 kc/s: W.: 04.00–12.30, 14.25–23.00. Sun. 05.00–23.00.
N. in Slovak: 18.00, 18.50, 21.00, 22.50. – **For Hungarian Workers** (on 701 kc/s only): 04.10–04.25 (W.), 12.00–12.30, 16.30–17.00. – **For Hungarian Youth** (on 701 kc only): Mo. 15.00–15.30, Wed. 16.45–17.00.

OSTRAVA: In Czech, Polish:
On 1520 kc/s: W.: 03.30–06.50, 08.45–23.00 (in Czech). Sun. 05.00–23.00 (in Polish).
Usti n. Lab in Czech on 701 kc/s: D. 13.00–15.00.
Liberec in Czech on 701 kc/s: W. 13.30–15.00. Sun. 13.00–15.00.
Hradec Kralove in Czech on 701 kc/s: W. 11.30–13.10. Sun. 10.00–12.30

INT.-SIG.: Praha I: The two opening bars of Smetana's symphonic Poem "Vysehrad":

Praha II: Fanfares from a March:

Bratislava: Fanfares from the composition by J. Cikker: "March of the Rebels":



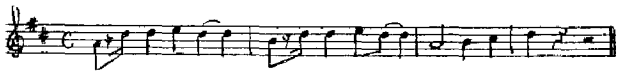
ANN.: Radio Prague I, Prague II: "Stanice Praha I, Praha II". – **VER.** by QSL-card.

FOREIGN SERVICE:

h. of tr.	29/10–19/4 kc/s
English to the U.K.	
13.15–13.45	15125, 9504, 11725
20.00–20.30	7255, 7235
23.00–23.30	1286, 7255, 6105, 6055, 7235
00.10–00.40	1097, 6170, 6055, 9585
French	
12.15–12.45	15125, 9504, 11725
17.30–18.00	9670, 11835, 9550, 9585
21.00–21.30	6105, 7255, 6055, 7235
21.30–22.00	1286
22.30–23.00	1286
Italian	
17.00–17.30	9670, 11835, 9550, 9585
18.00–18.30	9670, 11835, 9550, 9585
19.30–20.00	1286
22.30–23.00	7255, 6105, 6055, 7235
Serbo-Croat	
20.00–20.30	6105, 6055
German	
18.15–19.00, 20.00–20.30, 21.00–21.30, 00.00–00.15	1286
Greek	
18.30–19.00	9670, 11835, 9550, 9585
20.30–21.00	6105, 6055
Swedish	
11.00–11.30	15125, 9504, 11725
19.30–20.00	7255, 6105, 6055, 7235

h. of tr.	29/10–19/4 kc/s
21.30–22.00	6105, 6055, 7235, 7255
Spanish to Am.	
01.00–01.30	6170, 6105, 6055, 9585
03.30–04.00	6170, 6105, 6055, 9585
05.30–06.00	6170, 6105, 6055, 9585
Spanish to Eu.	
07.00–07.30	6170, 6055
19.00–19.25	9670, 11835, 9550, 9585
22.00–22.30	7255, 6105, 6055, 7235
00.15–00.45	1286
Czech, Slovak for countrymen in Europe	
16.00–17.00 (Sun. only)	9670, 11835, 9550, 9585
20.30–21.00	7255, 7235
Czech, Slovak for countrymen overseas	
02.00–02.30	6170, 6105, 6055, 9585
02.30–03.30	6170, 6105, 6055, 9585
05.00–05.30	6170, 6105, 6055, 9585
English to USA and Canada	
01.30–02.00	6170, 6105, 6055, 9585
04.00–05.00	6170, 6105, 6055, 9585
06.00–06.30	6170, 6105, 6055, 9585

INT.-SIG.: The opening bars of the song "Forward Left" by J. Seidl:



ANN.: E.: "Czechoslovakia calling – The Voice of Peace". Czech: "Vola Ceskoslovensko–Hlasmiru". – VER. by QSL-card.

★ DENMARK ★

DANISH STATE RADIO (Govt.).

ADDR.: The Danish State Radio, Radiohuset, Rosenørnsalle 22, Copenhagen. Cable: Statsradio.
L. P.: Dir. Gen.: F. E. Jensen. Dir. Adm.: J. Jannik. Dir. Secretariate: Ejnar Jensen. Dir. Music: Vagn Kappel. Dir. Talks: Hans Sølvhøj. Dir. Drama: Felix Nørgaard. Dir. Outside Broadcasts: A. Dahlerup. Dir. Information and Shortwave: P. Berg. Dir. Intertainment: Sv. Pedersen. Dir. Television: Jens Fr. Lawaetz. Dir. Tec.: Fr. Heegaard. Dir. N.: N. Grunnet.

HOME SERVICE:
1ST PRGR.: W. 05.00–09.40, 10.50–22.00. Sun. 07.00–14.00, 14.25–22.00.

	kc/s	m	kW		kc/s	m	kW
Kalundborg I	245	1224	150	Copenhagen	1484	202	2[1])
Herstedvester	1430	210	10	Herstedvester	6060	49.5	50[2])

Copenh. FM I 90.8 mc/s 30 kW – Aarsballe, Bornholm FM I 94.5 mc/s 30 kW – Aalborg 93.3 mc/s 30 kW – Aarhus 91.7 mc/s 30 kW – Rangstrup 95.1 mc/s 60 kW.
[1]) 17.00–22.00 only. – [2]) 17.40–21.15 only.
N.: 05.00 (W), 06.00 (W), 07.00, 11.30, 17.45, 21.00. – Weatherrep.: 07.45, 10.55, 16.40. – Religious: Sun. 09.00, 13.00. – Language Lessons: F.: Mo.-Thurs.: 17.20–17.40. E.: Tues. 17.00–17.20, 21.15–21.35. Thurs. 21.35–22.00. G.: Tues. 21.35–22.00. Thurs. 21.15–21.35. I.: Mo. and Tues. 17.00–17.20. Ru.: Every second Fri. 21.35–22.00. – Request Prgr.: Sun. 11.00–13.00. Tues. 18.15–19.15.

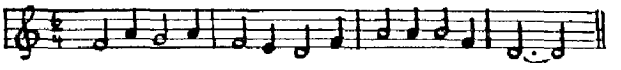
2ND PRGR.: W. 17.00–22.00. Sun.: 08.00–11.00, 17.00–22.00.

	kc/s	m	kW		kc/s	m	kW
Kalundborg II	1061	283	60	Aalborg	1484	202	0.25
Herstedvester	1430	210	10	Tønder	1484	202	0.25
Skive	1430	210	70	Esbjerg	1594	188	2

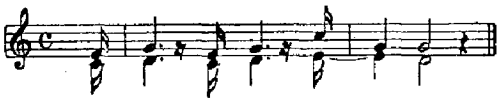
Copenhagen FM II 96.5 mc/s 3.11 m 30 kW – Aarsballe, Bornholm FM II 99.3 mc/s 30 kW – Aalborg 98.1 mc/s 30 kW – Aarhus 95.9 mc/s 30 kW – Rangstrup 99.9 mc/s 60 kW.

ANN.: "Danmarks Radio Program I (Program II)".

INT.-SIG.: **Program I:** From an old Danish folksong:
Daily at 11.00 and 19.00: The chimes of the Town Hall in Copenhagen.



Program II:



FOREIGN SERVICE: Herstedvester:

	kc/s	m	kW		kc/s	m	kW
OZF 3	6060	49.50	50	OZF 7	15165	19.78	50
OZF 4	7260	41.32	50	OZF 8	15180	19.76	50
OZF 5	9520	31.51	50	OZF 9	15320	19.58	50

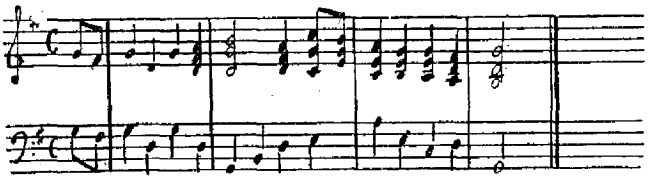
00.00–00.30 Tues., Thurs., Sat. on 9520 kc/s DS[1])
01.30–02.30 D. on 9520 – NAm
02.30–03.00 Tues., Thurs., Sat. on 9520 – DS[1])
03.00–04.00 D. on 9520 – NAm
04.00–04.30 Tues., Thurs., Sat. on 9520 – DS[1])
05.00–06.00 Tues., Fri. on 15180 – Af, ME
09.00–10.00 Tues., Thurs., Sat. on 15165 – FE, Au, NZ[1])
10.00–10.30 Tues., Thurs., Sat. on 15165 – DS[1])
13.30–14.30 Sun. on 9520 – FI
14.00–15.00 Tues., Thurs., Sat. on 15165 – SAs[1])
15.00–15.30 Tues., Thurs., Sat. on 15165 – DS [1])
17.00–17.30 Tues., Thurs., Sat. on 9520 – DS[1])
17.40–21.15 D. (Home Service) on 6060 –
23.00–24.00 Mo., Wed., Fri. on 9520 – SAm[2])
[1]) Last 15 minutes in E. – [2]) Every second Wed.in t he D. programme "Mailbag".
Prgr. in Danish consists of N. in Da., Da. Music, Songs, Talks and Features about life in Denmark and Reportages. – On all weekdays the broadcast to U.S. and Canada consists of a 30 minute program in Da. and 30 minute program in E.

A sketch of a weeks programme in Da. and E. The most important items being in E.: Mo.: N. Literary. Music. Danish Views on the N. Classical Danish Music. – Tues.: N.. Reportage, Feature. Entertainment. Dx-Bulletin. – Wed.: N. Entertainment. Actualities. Danish Folk Music. – Thurs.: N.. Feature. Quiz, Concert. – Fri.: N. Talk. Danish Views on the N. – Sat.: N.. Light Prgr. Saturday Night Club. – Sun.: Church Service. Da. Music. Reportage. – The Saturday Night Club will also contain letters from listeners and musical requests.

On Wed. 23.00–23.30 (N. and Music) and on Fri. 23.15–23.30 a special prgr. (Feature and Music) in Sp. (to S. America).

A special DX-bulletin is broadcast on Wed. at the end of the two No. American prgr.s.

ANN.: "Danmarks Kortbølgesender". – "You are tuned to the Voice of Denmark". – Every transmission begins with the chimes of the Town Hall, followed by the National Anthem. – INT.-SIG.: The first movement of "Som en rejselysten Flaade" composed by Carl Nielsen.



Message to Listeners: The Danish State Radio is anxious to receive reports on programmes and on reception conditions from all parts of the world. It makes every endeavour to get into touch with countrymen and listeners in countries abroad with a view to provide the best possible short wave service. – VER.: Shortwave reports answered by letter or QSL-card. – F. PL.: FM-stations: 1958: Skive 90.2, 94.4, 99.2, 60 kW. Næstved 94.8, 97.5, 99.6, 60 kW (only 2 frequencies will be used). – 1959: Fyn 89.0, 92.6, 98.6, 60 kW (only 2 frequencies will be used).

FAROE ISLANDS: Thorshavn 1367 kc/s 219 m 5 kW.
The station is expected to start transmissions in february 1957.

★ FINLAND ★

Local Time: 2 h. ahead of GMT. – **Languages:** Finnish, Swedish.

OY YLEISRADIO AB. (Govt.).
ADDR.: Unionkatu 16, H, Helsinki. **Cable:** "Yleisradio".
L. P.: Dir. Gen.: Einar Sundström. Dept. Dir. Gen.: Onni Toivonen. Dir. Finnish Prgr.: Jussi Koskiluoma. Dir. Swedish Prgr.: Ragnar Ölander. Dir. Tec.: Juno Rissanen. **Heads of Section:** Music: Kai Maasalo. Finnish Talks: Reino Tuokko. Finnish Outside Broadcasts: Leo Meller. Finnish Theatre: Olavi Paavolainen. Finnish Broadcasts Schools: Helmi Palmén. Swedish Lectures and Outside Broadcasts: Christoffer Schildt. Swedish Theatre: Karin Mandelstam. Swedish Broadcasts Schools: Nils-Göran Engström. Information: Veli Virkkunen. Station Building: K. S. Sainio. Studios: Paavo Arni. Advice: Paavo Velander.

HOME SERVICE

FINNISH NETWORK:
W. 04.30–06.10, 08.50–12.10, 15.00–21.00. Sun. 05.45–21.00.

Long & Medium Waves:

	kc/s	m	kW		kc/s	m	kW
Lahti	254	1181	200	Helsinki III	845	355	0.2
Oulu	433	693	10	Helsinki II	1484	202	1
Joensuu	520	577	1	Tampere	1484	202	1
Kuopio	755	397	20	Turku II	1484	202	0.2
Ylivieska	836	359	10	Rovaniemi FM	96.7 mc/s		10 kW

FM	mc/s	kW	FM	mc/s	kW	FM	mc/s	kW
Koli	88.0	10	Kristiinan-			Savonlinna	95.8	10
Forssa	89.2	0.3	kaupunki	94.6	10	Ylivieska	96.1	10
Imatra	91.0	15	Mikkeli	94.5	0.7	Kokkola	97.6	10
Kuopio	91.5	25	Iisalmi	94.9	1	Pori	97.9	10
Helsinki	91.9	40	Vaase I	95.2	25	Kajaani	97.9	40
Jyväskylä	92.2	10	Lahti	95.5	40	Ahtäri	98.5	40
Tampere	93.7	10						

The FM-stations broadcast the Finnish main prgr. and in addition music prgr. on weeksdays at 14.00–15.00.

N.: 04.30, 06.00, 10.30, 17.00, 20.00. – **Religious:** Sun.: 08.00–09.25. W. 05.45–06.00. – **Language Lessons- E.:** Mo. Fri. 16.00–16.25. **G.:** Tues. 15.40–16.00. – **Mailbag:** Mo.: 11.45, 15.35. – **Prgr. Prev.:** W. 08.50. Sun. 09.25, 12.20. – **Weatherrep.:** 06.10, 10.30, 10.55, 17.00, 20.00. **Time-Sig.:** 04.30, 06.00, 10,30, 15.00, 17.00, 20.00.

BILINGUAL NETWORK (Finnish & Swedish):
W.: 04.30–06.10, 08.50–12.10, 15.00–21.00. Sun. 05.45–21.00.

Medium Waves:

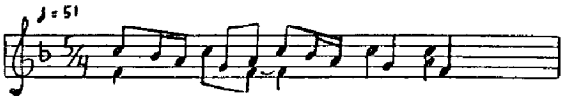
	kc/s	m	kW	FM	mc/s	kW
Helsinki I	557	539	100	Kristiinan-		
Turku I(Åbo)	962	312	100	kaupunki * II	90.1	10
Vaasa (Vasa)	1241	242	20	Helsinki II	94.6	0.7
Pietarsaari	1484	202	1	Vaasa II	97.3	25
Tammissari	1484	202	0.2	Turku II	98.2	25
FM		mc/s	kW	Pori II	99.4	3
Tammissaari		89.5	10	Pietarsaari	99.7	10
Short Wave:				* formerly Kristinestad.		
Pori OIX7	6120	49.02	15			

Swedish Prgr.: W. 04.40–04.50, 05.30–05.45, 06.10–06.20, 09.40–09.50, 17.15–17.30, 20.10–20.20. Sun. 06.40–06.50, 09.40–09.50, 11.00–12.45, 17.15–18.30, 20.10–20.20. Additional Swedish Prgr.: 11.10–12.10 (Tues. Thurs.) 14.45–15.00 (Mo. Fri.), 16.00–17.00 (Mo. Wed. Fri.), 17.30–18.30 (Tues. Thurs. Sat.), 20.20–21.00 (Mo. Fri.), 20.30–20.40 **News:** 04.40, 06.10, 10.10, 17.15, 20.10. **Religious:** Sun. 11.00–12.00. W. 05.30–05.45. **Language Lesson:** Finnish Sun. 12.20. **Mailbag:** Mo. 16.45. **Prgr. Preview:** W. 08.55, 10.55. **Weatherrep.:** 06.20, 10.40, 17.15, 20.10. **Time Sig.:** 04.40, 06.10, 10.40, 17.15, 20.10.

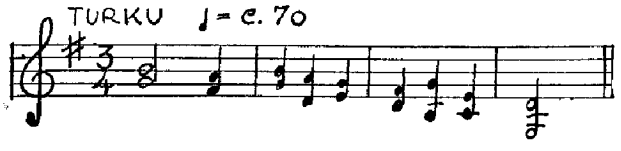
ANN.: Finnish: "Suomen Yleisradio" followed by program announcement, (all stations). **Finnish and Swedish:** "Suomen Yleisradio, Finlands Rundradio", (Helsinki, Turku, Vaasa and Pietarsaari).

INT.-SIG.: Every weekday at 08.45: Normal-a.

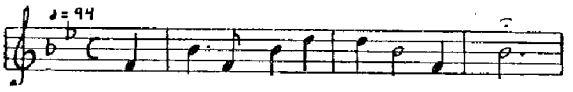
Lahti and Helsinki: The interval-signal is based on an old Finnish melody, the "Kantale melody".



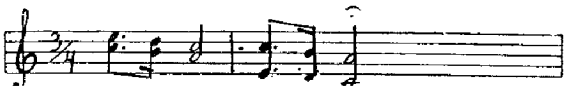
Turku: A fragment of "Ergo plebs finnonica", the hymn of St. Henrik.



Vaasa: The first notes of "Vasa March" by Karl Collan.



Kuopio: The first notes of a well-known song about the beauty of the lake Kallavesi.



VER by QSL-card.

FOREIGN SERVICE: In E., Finnish & Swedish.
OIX2 9555 kc/s 31.40 m 15 kW OIX4 15190 kc/s 19.75 m 100 kW
OIX5 17800 kc/s 16.85 m 10 kW

To Europe and South America on 15190/17800 kc/s: 10.50–11.50 (from 21/3 to 22/9 22.00–23.00).

To North America on 9555/15190/17800 kc/s: 12.00–14.00 (from 21/3 to 22/9 03.00–05.00). During the winter period OIX2 is closing at 13.00. **E.** (news): 10.50–11.05 (22.00–22.15), 12.00–12.15 (03.00–03.15). **F.** (news): 11.05–11.20 (22.15–22.30), 12.15–12.30 (03.15–03.30). **Finnish & Swedish:** 11.20–11.50 (22.30–23.00). Sun. 10.50–11.50 (22.00–23.00) for Seafarers. **Prgr. in Finnish:** 12.30–13.30 (03.30–04.30). On Mo. also 13.30–14.00 (04.30–05.00). **Prgr. in Swedish** (exc. Mo.): 13.30–14.00 (04.30–05.00)

ANN.: E.: "Finland Calling". **Finnish:** "Suomen Yleisradio". **Swedish:** "Finlands Rundradio". – **INT. SIG.:** Lahti (Home Service). – VER by QSL-card.

★ FRANCE ★

Loca Time: 1 h. ahead of GMT. – **Language:** French.

RADIODIFFUSION-TELEVISION FRANCAISE (Govt.).

ADDR.: The Central Service – Radiodiffusion Télévision Française (R. T. F.), 107, rue de Grenelle, Paris 7ème. – **Cable:** Radiodif. Paris.

The Regional Services: 2, Cours de Tournon, Bordeaux. – 36, Bld. de la Liberté, Lille. – 6, Bld. V. Hugo, Limoges. – 20, Quai Gailleton, Lyon. – 2, Allée Richard, Parc Chanot Marseille. – 6, Av. Hippolyte Maringer, Nancy. – 9, Avenue Janvier, Rennes. – 2, Av. de la Marseillaise, Strasbourg. – 78 bis, Allée Jean-Jaurès, Toulouse.

L. P.: The Central Services: Président du Conseil Supérieur: M. Paul Rivet. Directeur Général: M. Wl. Porche. Chef de l'Inspection Générale: M. Daumard. Chef du Service des affaires: Générales: M. Bonami. Directeur des Services Généraux: M. Lenoble. Directeur des Services Techniques: M. Leschi, Chef du Service de l'Exploitation: M. Mercier Directeur des Servicés Artistiques: M. Gilson. Directeur des Programmes de Télévision: M. d'Arcy. Directeur des Informations et du Journal Parlé: M. Gayman. Chef du Service des Emissions vers l'Etranger: M. Levy-Besombes. Chef du Service des Echanges Internationaux: M. Robida. Directeur du Programme National: M. Barraud. Directeur du Programme Parisien: M. Brechignac. Directeur de Paris-Inter: Mme Mella. Dir. du Club d'Essai et du Centre d'Etudes Radiophoniques: M. Tardieu.

The Regional Services (Regional Directors): Bordeaux: M. Dieuaide. **Lille:** M. Lafond. **Limoges:** M. Zamponi. **Lyon:** M. Wadin. **Marseille:** M. Besse. **Nancy:** M. Villatte. **Rennes:** M. Favennec. **Strasbourg:** M. Caussidery. **Toulouse:** M. Beral.

HOME SERVICE

NATIONAL NETWORK:

	kc/s	m	kW		kc s	m	kW
Paris I	863	348	150	Marseille I	710	422	150
Bordeaux I	1205	249	100	Strasbourg II	1277	235	100

Syncronized Network I: 1241 kc/s 242 m 20 kW: Quimerch I, Rennes II, Pau, Nancy II, Nice III, Lyon II, Lille II.

Synchronized Network II: 1349 kc/s 222 m 20 kW (Nantes 10 kW). Clermont, Grenoble I, Nantes, Limoges II, Toulouse II, Dijon.

Synchronized on common international wavelength: 0.05/1 kW.
1484 kc/s 202 m Annemasse, Caen, Poitiers, St. Brieux.
1493 kc/s 201 m 0.18 kW Besançon.

D. PRGR.: W. 05.12–08.15 (09.00 or 08.30), 10.30–22.59. Sun. 06.28–22.59.

N.: W.: 06.00, 08.00, 12.00, 13.00, 22.46. Sun. 07.00, 08.05, 12.00, 22.46 **"Ici New York"** (Relay from New York): W. 18.30–18.50. – **"Paris Vous Parle":** 18.50–19.00.

Time Sig.: W. 05.43, 06.00, 08.00, 11.00, 11.59, 13.00, 18.50, 22.45, 22.59. Sun. 06.28, 07.00, 11.59, 18.45, 23.00.

Weatherrep.: W. 05.44, 06.23, 08.13, 11.57, 18.00, 22.45. Sun. 06.29, 06.59, 08.13, 11.57, 18.44, 22.45.

Bourse: W.: 13.22. – **Program Preview:** W.: 06.25. – **"Grand Messe":** Sun. 09.00–10.00 (relayed on 7240 kc/s). – **Arabic:** W.: 05.13–05.43, 10.30–10.58 (relayed on 9560 kc/s).

PARISIAN NETWORK:

	kc/s	m	kW		kc/s	m	kW
Paris II	1070	280	100	Toulouse I	944	318	100
Marseille II	syncr. st.		20	Lyon I	602	498	100
Lille I	1376	218	150	Nancy I	836	359	150
Rennes I	674	445	150	Strasbourg I	1160	259	150
Limoges I	791	379	100	Bayonne	1493	201	1

Syncronized Network III: 1403 kc/s 214 m 20 kW. Boudeaux II, Louvetot, Montpellier I (10 kW), Nice II, Quimerch II.

D.PRGR.: W. 04.59–08.01, 10.59–22.00. Sun. 05.59–22.30.
Parisian Programme can be heard daily on 9755 and 9675 kc/s from 19.00–19.20 (Sat. 19.30).
N.: W.: 05.30, 07.00, 19.00, 21.00. Sun.: 06.00, 19.00, 21.40.
Time Sig.: W.: 06.59, 07.00, 08.00, 10.59, 22.00 or 21.45. Sun. 06.59, 18.59, 22.30.
Weatherrep.: W.: 11.04. – **"Actualités de Paris":** D.: 11.30. – **"Le Disque des Auditeurs":** Sun.: 06.15–06.30, 07.45–08.15. – **"Gazette de Paris":** W.: ;6.00. – **"Ici New York":** Sun. 17.30.

PARIS INTER NETWORK:
Allouis 164 kc/s 1829 m 250 kW – Nice I 1554 kc/s 193 m 60 kW.
Low Power Stations:

Paris Grenelle	584	514	1	Perpignan	1484	202	1
Toulouse III	1493	201	0.25	Grenoble II	1484	202	0.05
Marseille III	1493	201	1	Montpell. II	1484	202	0.25
Nantes II	1493	201	0.05	Brest	1484	202	1
Strasbourg	1493	201	0.05	Nîmes	1594	188	2
				Toulon	1594	188	0.05

D.PRGR.: 05.30 (Sun. 06.00)–01.00.

Paris Inter Programme can be heard on 6200 kc/s 05.30 (Sun. 06.00)–23.00.
N.: W. 09.15, 10.15, 11.15, 12.15, 14.15, 16.15, 19.50, 22.00, 23.00, 00.57. Sun. 08.15, 22.25, 23.00, 00.57.

"Paris Vous Parle": D. 18.15–18.45.

FM:	mc/s	kW		mc/s	kW		mc/s	kW
Mulhouse	92.1	12	Toulouse	92.8	0.25	Bordeaux	98.1	0.25
Nancy	92.7	2.5	Strasbourg	95.0	2			
Lyon Pilat	92.7	12	Paris	96.1	20			

FM Prgr.: W.: 13.15–22.00 (Sat. 23.00). Sun. 16.30–22.00. – **N.:** 18.55 (Sun. 18.50). – **N. in German** (Strasbourg and Mulhouse only): Mo.-Fri. 22.00, Sun. 22.20.

SPECIAL BROADCASTS:
Romanville 962 kc/s 312.0 m 5 kW.

D.PRGR.: **"Culture Francaise Club d'Essai":** Sun. 12.30–15.45 on 962 kc/s and FM stations. – **In Arabic:** 06.45–08.00.

ANNOUNCEMENTS:
The National, the Parisian and Paris Inter Networks: At opening and close down: "La Marseillaise". – **General announcement:** "Ici Paris Radiodiffusion-Television Française" Programme National (or "Parisien" or "Paris Inter"). – **Bordeaux:** "Ici Bordeaux Radiodiffusion: Television Française". – **Lille:** The first movements of the melody "Petit Ouinquin" followed by "Ici Radio-Lille – Radiodiffusion-Television Française". – **Limoges:** "Ici Limoges – Radiodiffusion-Television Française". – **Lyon:** Harmonizing by R. Corniot of the melody "Les Boeufs" by F. Dupont followed by "Ici Lyon – Radiodiffusion-Television Française." – **Marseille:** The first movements of the Provencal Suite by Bessière followed by "Ici Marseille Provence – Radiodiffusion-Television Française". – **Nancy:** Some movements composed by Berlinski followed by "Ici Radio Lorraine Radiodiffusion-Television Française". – **Rennes:** Trumpet fanfares by Brand followed by "Ici Radio Bretagne, Radiodiffusion-Television Française". – **Strasbourg:** The first movements of "Que notre Alsace est belle" followed by "Ici Strasbourg – Radiodiffusion-Television Française". – **Toulouse:** The first movements of "Montagnards" followed by "Ici Toulouse, Radiodiffusion-Télévision Francaise."

FOREIGN SERVICE:

Short Wave Centre Allouis and Issoudun: 13 transmitters, each 100 kW, and 1 transmitter 10 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
5955	50.37	7120	42.13	9540	31.45	9755	30.76
5965	50.28	7160	41.89	9550	31.41	9765	30.72
6045	49.63	7165	41.87	9560	31.38	11700	25.64
6145	48.82	7220	41.55	9640	31.12	11845	25.32
6200	48.39	7240	41.44	9675	31.01	11920	25.17
7100	42.25	7280	41.21	9680	30.99	15100	19.87
7105	42.22	9520	31.51	9750	30.77	15240	19.68
15295	19.61	15400	19.48	17850	16.81	21640	13.79
15350	19.54	17765	16.89	21620	13.88	21740	13.86

EUROPEAN SERVICE:
German: W.: 18.00–19.00 on 1277, 6045 kc/s. – Sun. 18.40–19.30 on 1277 kc/s.
Bulgarian: D.: 19.00–19.45 on 9560, 11920 kc/s.
Czech and Slovak: D.: 19.00–20.00 on 5955, 7105 kc/s (Also Tangier 15190 kc/s).
Danube Balkan in French: Sun. 17.30–17.45 ("Religious Progr.") on 5955, 7220 kc/s.
D.: 20.00–21.00 on 5955, 7105 and 15190 kc/s (Tangier).
English to Great Britain: W.: 07.45–08.00 (French by Radio) on 7240 kc/s. Sat., Sun. 14.00–15.00 on 7240 kc/s. – W.: 19.45–20.00 (French by Radio) over R. Brazzaville. W. 22.00–23.00 on 1376 kc/s.
Greek: D.: 11.30–11.45 (relayed by R. Athens) on 15295 kc/s.
Hungarian: D.: 18.15–19.00 on 5955, 7165, 9540 kc/s. – 21.00–21.45 on 15190 kc/s (Tangier, Retransmission of 18.15 progr.).
Polish: Sun. 10.00–11.00 on 5955, 9560 kc/s. (Religious Service from the Polish Church in Paris). – W. 17.00–17.15 on 7220 kc/s ("French by Radio"). – D. 17.30–18.00 on 1376 kc/s. – D. 19.00–20.00 on 6045, 7160, 9540, 15400 kc/s (also 9625 kc/s Brazzaville).
Portuguese: W.: 08.00–08.15 on 7240 kc/s (French by Radio).
D.: 19.00–19.30 on 7240, 9765 kc/s.
W.: 19.30–19.45 on 7240, 9765 kc/s (French by Radio).
Rumanian: D.: 18.15–19.00 on 9560, 11920 kc/s.
Spanish: D.: 21.00–21.45 on 5955, 7240 kc/s.
W.: 22.00–22.45 on 944 kc/s.
Serbo-Croatian and Slovene (to Yugoslavia) D.: 18.00–19.00 on 7160, 9625 (Brazzaville), 9675, 15400 kc/s.

OVERSEAS SERVICE: **French:**
To Madagascar, Comoro Islands, French Somali Coast, Reunion. Kerguelen: 01.30–01.45 on 7100 kc/s. 16.00–16.30 on 11845, 15350, 17850 kc/s.
To Tahiti, Marquésas Islands: 05.30–06.00 on 9550 kc/s.
To French West Africa and French Equatorial Africa: 06.45–07.15 on 11920, 15240 kc/s. 11.45–12.00 on 17765 kc/s. 20.00–20.30 on 11845, 15240 kc/s.
To New Caledonia, New Hebrides: 07.30–08.00 on 15240, 17850 kc/s.
To Antilles, Guiana, St. Pierre and Miquelon: 10.30–11.00 on 17850, 21740 kc/s. 23.30–01.00 on 9755, 11845 kc/s (rel. by Ft. de France).
To Indo-China: 13.00–15.00 (Sun. 15.50) on 17765, 21620 kc/s. 23.00–23.30 on 9675 kc/s.
To Canada: Mo.-Fri.: 17.30–17.45 (Fri. 18.00) on 17850 kc/s.
To M. East: D. 16.30–17.15 on 9675, 11845, 15350, 17850 kc/s.
Arabic:
To N. Africa: 06.30–09.00 on 7220, 9550, 11700 kc/s. –09.00–11.00 on 11700, 15240, 17765 kc/s. – 19.45–21.00 on 7240, 9550, 9755 kc/s.
To M. East: 12.00–13.00 on 11920, 15240, 17850 kc/s. – 16.00–18.00 on 9560, 11920, 17765 kc/s. **In Arabic.**

ANN.: "Allo... (name of area), Paris vous parle."

VER. by QSL-card.

★ GERMANY ★

Local Time: 1 h. ahead of GMT. – **Language:** German.

GERMAN FEDERAL REPUBLIC
DEUTSCHE WELLE

Kurzwellendienst der Arbeitsgemeinschaft der öffentlich-rechtlichen Rundfunkanstalten der Bundesrepublik Deutschland.

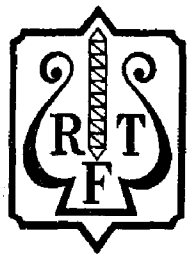
ADDR.: Deutsche Welle. WDR.-Funkhaus, Köln, Wallrafplatz 5 or Postfach 239, Köln.
L.P.: Dir. Broadc.: Hanns Hartmann. Chief Editor: Dr. Hans Otto Wesemann. Dx-Editor: Horst A.C.Krieger.

STATIONS: Jülich DMQ – 100 kW:

kc/s	m	kc/s	m	kc/s	m	kc/s	m
5980	50.17	9630	31.15	15275	19.64	17875	16.79
6115	49.06	9640	31.12	15375	19.51	21490	13.96
7170	41.84	9735	30.82	15405	19.47	21650	13.86
7205	41.64	11795	25.43	17815	16.84	25650	11.70
7290	41.15	11945	25.12	17845	16.81	25900	11.58

OVERSEAS SERVICE:		Nov./Feb.
07.00–10.00	to F.E. in G., E., F.	11795/21650 kc/s
14.30–17.30	to N.E. in G., E., F.	15275/17815 –
18.00–21.00	to Af. in G., E., F.	11795/15275 –
22.00–01.00	to S.Am. in G., P., Sp.	11795/15375 –
01.30–04.30	to N.Am. in G., E., F.	9640/11795 –

Two frequencies are always used in every transmission.
N. in German: 07.00, 14.30, 18.00, 22.00, 01.30.
N. in English and French: 08.00, 15.30, 19.00, 02.30.
N. in Spanish and Portuguese: 23.00.
N. and Commentary: 09.45, 17.15, 20.45, 00.45, 04.15.
"Wie wir leben": 09.00, 16.30, 20.00, 00.00, 03.30.



★ RÈSEAU DES ÉMETTEURS CFTH DE RADIODIFFUSION

★ NETWORK OF CFTH BROADCAST TRANSMITTERS

ÉMETTEURS A ONDES MOYENNES [1])

Noms des Stations	Chaînes	Puissance Installée par CFTH (kW)	Type CFTH (V: instal. Vapodyne)	Noms des Stations	Chaînes	Puissance Installée par CFTH (kW)	Type CFTH (V: install. Vapodyne)
Bordeaux-Néac II.....	PP	20	1392	Marseille-Réaltort I...	PN	135	721 (V)
Brest-Quimerc'h I.....	PN	20	1392	Marseille-Réaltort II ..	PP	20	1392
Brest-Quimerc'h II....	PP	20	1392	Montpellier-La Blanq. I	PP	10	1308
Clermont-Ennezat.....	PN	20×2	1392	Nancy-Nomény I.....	PP	100×2	755 (V)
Dijon-Ville.....	PN	20 LR	—	Nancy-Nomény II....	PN	20	1392 (V)
Grenoble-Ville I.....	PN	20 LR	—	Nantes-Montbert I....	PN	10	1308
Lille-Camphin II.....	PN	20	1392	Nice-La Brague III....	PN	20	1392
Limoges-Nieul I.....	PP	120	1395	Paris-Villebon II.....	PP	100	755 (V)
Limoges-Nieul II.....	PN	20	1392	Paris-Romainville			
Louvetot.....	PP	20	1392	(+Club d'essais)....	PI	10	1308
Lyon-Tramoyes I.....	PP	120	1395	Strasbourg-Sélestat I ..	PP	100×2	755 (V)
Lyon-Tramoyes II....	PN	20	LR	Strasbourg-Sélestat II..	PN	100	755 (V)

[1]) Chaînes de la Radiodiffusion-Télévision Française : PN = Programme National ; PP = Programme Parisien; PI = Programme Paris-Inter.

N.B. — Seuls ont été mentionnés les émetteurs dont la puissance est supérieure à 5 kW. Il convient en effet, de considérer que les postes secondaires ou régionaux à puissance réduite sont fréquemment déplacés par l'Administration de la RTF et que leur emplacement ne peut être utilement localisé. Rentrent dans cette catégorie les principaux postes CFTH suivants:

— Caen — Lille-Camphin I — Perpignan — Saint-Brieux
— Grenoble-Ville I — Nantes-Montbert I — Poitiers — Strasbourg-Sélestat III

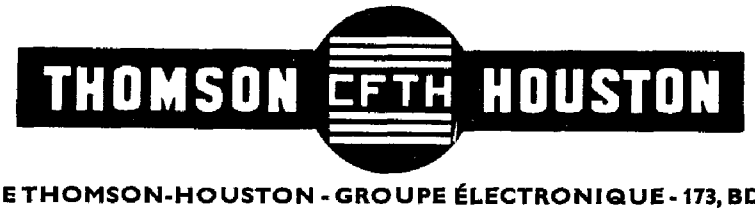
ÉMETTEURS A ONDES LONGUES ★ ÉMETTEURS A ONDES COURTES

Nom de la Station	Chaîne	Puissance installée par CFTH (kW)	Type CFTH (V: install. Vapodyne	Noms des Stations	Chaîne	Puissance installée par CFTH (kW)	Type CFTH (V: install. Vapodyne
Centre d'Allouis.....	PI	20	—	Centres d'Allouis et d'Issoudun.....	PI	600	6 chaînes HF 4 chaînes BF

N. B. — La puissance du Centre d'Allouis varie, selon la fréquence, de 80 à 130 kW. Ces Centres comportent 13 émetteurs (100 kW en service).

ÉMETTEURS A MODULATION DE FREQUENCE

Noms des stations	Puissance	Noms des stations	Puissance
Paris	20 kw	Mulhouse	12 kw
Nancy	12 kw	Lyon	12 kw



COMPAGNIE FRANÇAISE THOMSON-HOUSTON - GROUPE ÉLECTRONIQUE - 173, BD. HAUSSMANN, PARIS-8e

★ ÉMETTEURS DE RADIODIFFUSION FRANCE D'OUTRE-MER

★ BROADCAST TRANSMITTERS FRENCH OVERSEAS TERRITORIES

A. – ÉMETTEURS A ONDES MOYENNES

Postes	Puissance Installée par CFTH (kW)	Type CFTH (V: install. Vapodyne
Meknès/Sebaa-Ayoun	120 × 2	721 (V)
— une chaîne Française	20 × 2	1392
— une chaîne Arabe	10	1308
Alger III (chaîne kabyle)	10 × 2	1308
Rabat I (Français)	20	1392
Oran I et II (Français)	20 × 2	1392
Oran III et IV (Arabe)	20 × 2	1392
Tunis-Djedeida I (chaîne Française)	20	1392
Constantine I (chaîne Française)	20	1392
Constantine II (chaîne Arabe)	20	1392

B. – ÉMETTEURS A ONDES COURTES

Postes	Puissance Installée par CFTH (kW)	Type CFTH (V: install. Vapodyne
Saïgon I	25 × 2	1038
Saïgon II	5	818
Dakar/Rufisque	25	1038
Tananarive	5	818

C. – ÉMETTEURS A MODULATION DE FRÉQUENCE

Postes	Puissance installée par CFTH	Type CFTH (V: install. Vapodyne)
Casablanca (Radio Maroc)	250 W	—

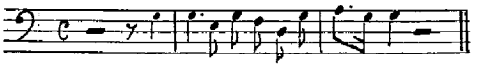
★ ÉMETTEURS CFTH DE RADIODIFFUSION A L'ÉTRANGER

★ CFTH BROADCAST TRANSMITTERS ABROAD

Centres Émetteurs	Ondes	Puissance install. par CFTH (kW)	Type CFTH (V: install. Vapodyne)
Andorradio (Andorra)	moyennes	100	755 (V)
Beograd (Yougoslavie)	moyennes	25	1392
Barcelone (Espagne)	moyennes	25	1392
Felsberg (Sarre)	longues	400	855 (V)
Felsberg (Sarre)	moyennes	100	755 (V)
La Corogne (Espagne)	moyennes	25	1392
Léopoldv. (Congo Belge)	courtes	50	775 (V)
Ljubljana (Yougoslavie)	moyennes	135	721
Monte-Carlo (Monaco)	moyennes	200 120	856 (V) 1395
Monte-Carlo (Monaco)	courtes	30 × 2	1038
Pristina (Yougoslavie)	moyennes	25	1392
Sarajevo (Yougoslavie)	moyennes	25	1392
Sarajevo (Yougoslavie)	moyennes	100	755 (V)
Sarrebrück (Sarre)	moyennes	25	1392
Skoplje (Yougoslavie)	moyennes	25	1392
Titograd (Yougoslavie)	moyennes	25	1392
Trieste (Yougoslavie)	moyennes	6	817
Zagreb (Yougoslavie)	moyennes	135	721

COMPAGNIE FRANÇAISE THOMSON-HOUSTON - GROUPE ÉLECTRONIQUE - 173, BD. HAUSSMANN, PARIS-8e

DX-Programme (in German & English): Every 2nd Mo. in the month: 07.30, 15.00, 18.30, 22.30, Tues. 02.00.
"Unter uns gesagt": Wed.: 07.30, 15.00, 18.30, 22.30, Thurs. 02.00.
"Volksmusik": Tues.: 07.15, 14.45, 18.15, 22.15, 01.45.
ANN.: German: "Hier ist die Deutsche Welle. Sie hören uns aus Köln über Richtstrahler nach... im... Meterband auf... kHz. Die Deutsche Welle sendet dieses Program im Auftrag der Rundfunkanstalten der Bundesrepublik Deutschland. Sie hören uns täglich von... bis... Uhr mitteleuropäischer Zeit." – **English:** "This is the Voice of Germany. Our programme from Cologne is beamed to... on the... metre bands. The frequencies are... kilocycles. This programme is sponsored by the broadcasting stations of the German Federal Republic and is on the air every day from... to... Central European Time". – **French:** "Ici la Voix de l'Allemagne. Depuis Radio-Cologne, autorisée par les émetteurs de la République Fédérale Allemande, vous allez entendre un programme destiné à nos auditeurs..., sur les longueurs d'ondes de... mètres. Les Fréquences sont... kilocycles. Le programme de "La Voix de l'Allemagne" vous est transmis tous les jours de... à... heure de l'Europe Centrale." – **Spanish:** "Habla la Voz de Alemania. Desde Colonia ofrecemos ahora nuestro programa dirigido a la... Nos están oyendo en ondas cortas de... metros en la frequencia de... kilociclos. Estos programas se transmiten a pedido de las emisoras de la República Federal de Alemania, todos los dias, de las... a las... horas, hora de la Europa Central." – **Portuguese:** "Esta é a Voz da Alemanha. A todos nossos prezados ouvintes, boa noite. Estamos transmitindo de Colónia para a..., em ondas curtas de... metros, na frequéncia de... quilociclos. A Voz da Alemanha envia este programa em nome das emissoras da República Federal Alema. Ouvem-nos, diàriamente, das... às... horas, hora da Europa Central."
INT.-SIG.: Motiv from "Fidelio" by Beethoven: "Es sucht der Bruder seine Brüder" played on Celesta



VER. by QSL-card or letter. Reports from foreign countries are welcomed. – **F.PL.:** A 20 kW transmitter summer 1957.

BAYERISCHER RUNDFUNK (Anstalt des öffentlichen Rechtes).

ADDR.: Anstalt des öffentlichen Rechtes, München 2, Rundfunkplatz 1. – **Cable:** "Bayernfunk München".
L.P.: Pres. of the Board of Broadc.: Max Zillebiller. Pres. of the Board of Adm.: Dr. Hans Ehard. Intendant: Dr. Franz Stadelmayer. Asst. Intendant, Chief-Editor: Walter von Cube. Adm.: Hans Spies. Dir. Tec.: Dr. Ferdinand Daser. Studio-Dir.: Otto Freundorfer. Chief Studio Nürnberg: Dr. Hermann Dollinger.

HOME SERVICE

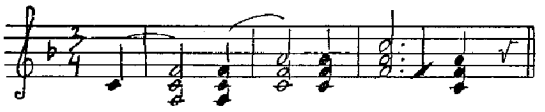
MEDIUM WAVE PRGR.: W. 04.30 (Sun. 05.00)–24.00. Sun. 05.00–24.00.
Medium Waves:

	kc/s	m	kW		kc/s	m	kW
Bayreuth	520	577	5/0.2[1])	Hof	1602	187	0.4 [4])
3 low pow. st.	520	577	0.2 [2])	Nürnberg I	1602	187	20/40[3])
München	800	375	100 [4])	Landau	1602	187	20 [2])
5 low pow. st.	1484	202	2[2])	Kirchheim	1602	187	20 [2])

[1]) Day 5/Night 0.2. [2]) Night. [3]) Day 20 kW. Night 40 kW. [4]) Day and Night.
Short Waves: München 6160 kc/s 48.70 m 10 kW rel. Home Sce.
N.: 05.00 (W), 05.45 (Sun.), 06.00 (W.), 07.00 (W.), 08.00, 12.00, 16.00 (W.), 18.45, 21.15, 23.00. – **"Munchener Abendschau":** W. 18.00. "Tagesschau": D. 19.00.
FM-PRGR.: W. 05.05–06.00, 07.10–08.50, 17.00–23.00 (Sat. 13.30–17.00), 17.45–23.00. Sun. 06.00–22.30.

	mc/s	kW		mc/s	kW
Würzburg/ Frankenwarte	87.6	1	Grünten/algäu	90.5	10
Tegernseer Tal	87.6	0.1	Bamberg/Geisberg II	90.9	5
Landshut	87.9	0.1	Hohe Linie	90.9	3
Ochsenkopf/ Fichtelgebirge	88.2	10	Brotjacklriegel	91.5	10
Lindau	88.2	0.25	München-Freimann Kreuzeck b. Garm. Partenk.	91.85	0.15
Gelbelsee/ Eichst. Alb.	88.5	3	Kreuzberg/Rhön	93.0	0.15
Burgstall/ Hoher Bogen	88.8	3	Passau/Kühberg	93.0	0.15
Traunstein/ Hochberg	89.1	1	Hühnerberg b. Harburg	93.3	5
Rotbühl	89.4	3	Dillberg II	93.9	3
Berchtesgaden	89.7	0.25	Augsburg-Göggingen	94.2	0.15
Hohenpeissenberg	89.7	3	Pfaffenberg b. Aschaffenburg	94.2	3
Coburg	90.0	1	Bamberg/Geisberg I	94.5	5
Wendelstein	90.0	10	Büttelberg/ Frankenhöhe	96.6	5
Bad Reichenhall	90.3	0.25	Dillberg I	98.7	3

N.: W. 22.00, Sun.: 12.00, 20.00, 22.00. – **Rel. m.w. prgr.:** W.: 04.30–05.05, 06.00–07.30 (Sat. 04.30–07.30), 08.50–17.00 (Sat. 13.30), 23.00–24.00. Sun.: 05.00–06.00, 12.30–24.00.
ANN.: "Hier ist der Bayerische Rundfunk".
INT.-SIG:.



VER. by QSL-card or letter.

HESSISCHER RUNDFUNK (Anstalt des öffentlichen Rechts).

ADDR.: Bertramstrasse 8, Frankfurt-am-Main.
L. P.: Pres. of the Board of Broadc.: Stadtrat a. D. Dr. Rudolf Keller. Pres. of the Board of Administration: Minesterialdirektor i. R. Dr. Kurt Magnus, Intendant Eberhard Bechmann: Dir. Prgr.: Dr. Hans Joachim Lange. Adm.: Diplom-Merchant. Hans Schmorl. Director of the Staff: Willi Heckroth. Chief-Eng.: Dr. Frantz Miseré. Jusitiar: Wolfgang Lehr. Statistic: Dr. Karl Opperjamnn. Listener-Opinions: Dr. E. Kurt Fischer. Public Information Office: E. Rolf Richter. Dir. Politic and News: Chief-Editor Otto Herr. Dir. of Television: Artur Müller. Dir. Education: Dr. Gerd Kadelbach. Dir. Music: Heinz Schröter. Dir. Entertainment: Hans Otto Grünefeldt. Dir. Culture: Dr. Jürgen Petersen. Dir. Play: Dr. Ulrich Lauterbach. Studio Wiesbaden: Philipp Körber. Studio Kassel: Ludwig Sabel. Studio Bonn: Dr. Carl Helfrich.

HOME SERVICE

PROGRAMME I
Frankfurt 593 kc/s 505.8 m 100 kW d D.: 04.00–23.00 (Fri. Sat. 03.30)
Meissner 593 kc/s 505.8 m 20 kW d D.: 04.00–23.00 (Sat. 24.00).
FM: Feldberg 88.53 mc/s 55 kW – Biedenkopf 95.4 mc/s 55 kW – Meissner 93.3 mc/s 2.5 kW – Hardberg 93.3 mc/s 0.5 kW.
All stations of 2nd Prgr. are also radiating the 1st prgr. Mo.-Fri. until 17.15, Sat. until 10.20 and Sun. until 07.00.
N & COMMENTARIES: D. 04.00, 05.30 (W), 07.00, 11.50, 17.00 (W), 18.40, 21.00, 23.00. – **Weatherrep.:** 04.00–07.00 (every half h.), and after the news at 11.50, 18.40, 21.00, 23.00. – "Volksmusik": Mo. 16.00–16.45. Thurs. 15.00–15.45. Sat. 13.30–14.15. – **Request Prgr.:** Sun. 14.30–15.45. Sat. 15.00–16.45 (or 16.00) fortnightly. – **Week in Bonn:** Sat. 21.05–21.15.
PROGRAMME II
Mo.-Fri.: 17.15–23.00. Sat. 10.20–23.00. Sun. 07.00–23.00.

FM	mc/s	kW	FM	mc/s	kW
Meissner	89.71	90	Biedenkopf	91.20	55
Hardberg	89.70	0.5	Feldberg	91.13	55
Würzberg	89.74	0.5			

N.: D. 19.40. Sun. also 12.20. – **Weatherrep.:** 12.20 (Sun.), D. 19.40 approx. – **COMM. PRGR.:** W.: 07.15–08.00, 10.00–10.20. Mo. Tues. Fri. also: 12.00–12.50. Wed. 12.10–12.50. Sat. 12.00–12.40. –
ANN.: "Hier ist der Hessischer Rundfunk" or "Hier ist Frankfurt.
INT. SIG.: Electronic music. – **VER.** by QSL-card.

NORDDEUTSCHER RUNDFUNK (Anstalt des öffentlichen Rechts).

ADDR.: Hamburg 13, Rothenbaumchaussee 132/34. **Cable:** Nordfunk. Hannover: Hannover Rudolf-von-Benningsen Ufer 22. **Studios:** Flensburg: Friedrich-Ebert-Str. 1 Oldenburg, Oldenburg i. O. Ziegelhof. – Berlin: Berlin-Grünewald, Hubertusallee 26. **L. P.:** Dir. of Broadc.: Dr. Walter Hilpert. Asst. Dir. and Dir. Prgr.: Dr. Hans Arnold. Adm.: Gerhard Schulz. Chief-Eng.: Dr. Hans Rindfleisch. Chief Editor, Dir. Politic.: Dr. H. F. G. Starke. Dir. Talks: Franz Reinholz. Dir. Drama: Dr. Heinz Schwitzke. Chief of Studios: Josef Wilkens. Chief Press and Information: Hanns Ruppersberg. Dir. News: Hans Schmid. Dir. Outside Broadcasts: Hermann Rockmann. Dir. Music: Dr. Hans-Wilhelm Kulenkampff. Dir. Foreign Relations: Walter D. Schultz. Dir. Brodcasting House Hannover: Dr. Franz B. Zons. Dir. Studio Flensburg: Thomas Viktor Adolph. Dir. Studio Oldenburg: Erhard Imelmann. Dir. Studio Berlin: Thilo Koch.

HOME SERVICES:

MEDIUM WAVE-PRGR.: 03.55–00.10. (Sat. 01.10). Nightprgr. on 971 kc/s: Tues., Fri., Sun. 00.15–03.30. Sat. 01.15–04.30.

	kc/s	m	kW		kc/s	m	kW
Braunschweig-Salzgitter	520	577	2	Flensburg	1570	191	1.5
Norden/ Osterloog	701	428	2	Lingen	1570	191	2
Göttingen	971	309	5	Hannover	1586	189	20
Hamburg	971	309	100	Kiel	1586	189	5
				Oldenburg	1586	189	40
				Osnabrück	1586	189	5

FM Stations (relay m.w. prgr.): 03.55–00.10. (Sat. 01.10).

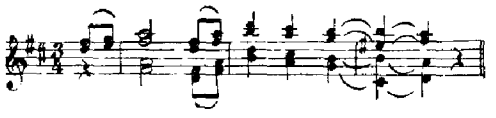
	mc/s	kW		mc/s	kW
Oldenburg	87.6	50	Hamburg	92.1	4.5
Heide	90	15	Harz	96	100
Bungsberg	95.7	2.5	Hannover	97.8	3.5

N.: D. 04.00, 05.00, 06.00, 07.00, 07.55, 12.00, 16.00, 18.00, 20.45, 23.00. – **Weatherrep.**: After N. – **Time-Sig.**: D. 11.00, 13.00.

F.M.:PRGR.:
Mo.-Fri. 05.30–12.45, 13.00–24.00. Sat. 05.30–24.00. Sun. 06.30–24.00. N.: D. 06.30, 11.00, 17.00, 18.55, 21.30. – **Language Lessons**: French Mo., Thurs.: 16.45–17.00 English: Tues., Fri.: 16.45–17.00.

	mc/s	kW		mc/s	kW
Lübeck	87.9	0.5	Hannover	93.0	46
Hamburg	88.5	47	Osterloog	93.3	12
Göttingen	88.8	1.5	Dannenberg	93.3	2
Lingen	88.8	11	Heide	93.6	15
Braunschweig	90.9	2.5	Osnabrück	93.6	2
Bungsberg	91.5	2.5	Kiel	94.1	2
Flensburg	93.0	13	Oldenburg	95.4	50
			Harz	99.9	100

ANN.: "Hier ist der Norddeutsche Rundfunk... (name of station).
INT.-SIG.: (Medium Waves): Motive from the first movement of Johs. Brahms' Symphony no. 2.



Verification: by QSL-card.

RADIO BREMEN

ADDR.: Radio Bremen, Anstalt des öffentlichen Rechts, Heinrich-Hertz-Str. 13, Bremen. Cable: Radio.
L. P.: Dir. Broadc.: Walter Geerdes. Dir. Prgr.: Dr. Hans Arnold. Dir. Tec.: Ansgar Olshausen. Adm.: Helmuth Oliver. Music Dept.: Dr. Siegfried Goslich. Plays-and Literature-Dept.: Oswald Döpke. Home-Service: Eberhard Freudenberg. School-Radio: Gerhard Schäfer. News-Dept.: Jochen Berlish. Chief-Editor: Hans Herbert Westermann. Entertainment-Dept.: Dieter Rohkohl. Press-Dept.: Rudolf Dumont du Voitel. Talk Dept.: Dr. Lutz Besch. Justitiar: Dr. H. Seggar.

HOME SERVICE: First Prgr.:
Bremen 1358 kc/s 221 m 20 kW. – Bremerhaven 1079 kc/s 278 m 2 kW. – FM Bremen I 96.9 mc/s 3 kW.
D.: 05.30 (Sun. 06.00)–24.00 (Wed., Thurs. 04.00). N.: D. 06.00 (W.), 07.00, 08.00 (W.), 11.45, 15.45 (W.), 18.45, 22.00. – **Weatherrep.**: After N.
Second Prgr., FM:
Bremen II 89.4 mc/s 11.5 kW. – Bremerhaven 91.8 mc/s 0.5 kW. Sun. 06.00–22.00. W. 17.00 (Sat. 15.00)–22.00. Relay 1st Prgr. other times.
ANN.: "Hier ist Radio Bremen mit dem ersten bzw., zweiten Program".
INT.-SIG.: Three notes: b/d/e. The first three letters of Bremen. The note "d" is the Italian "re" and stands for the letter "r" of Bremen. – VER. by QSL-card.

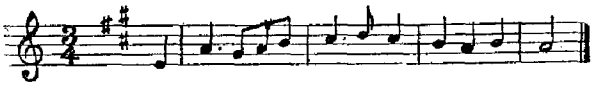
SUDDEUTSCHER RUNDFUNK (Anstalt des öffentlichen Rechts).

ADDR.: Neckarstrasse 145, Stuttgart-O. Cable: Rundfunk Stuttgart.
L. P.: Dir.: Dr. Fritz Eberhard. Dir. Prgr.: Dr. Peter Kehm. Chief-Editor: Dr. Fritz Malburg. Adm.: Friedrich Müller. Dir. Tec.: Dr. Helmuth Rupp. Chief Eng. Mühlacker: Heinz Havenstein. Chief for Plays: Willy Grüb. Dir. Music: GMD Hans Müller-Kray. Chief of Press Dept. :Dr. Werner R. Deusch. Justitiar: K. Neufischer. Chief N.: Heinz Tebbe. Chief Entertainment: Dr. Charles Mayer. Chief FM Dept.: Dr. Albrecht Meinholt.

HOME SERVICE[1]):

Medium Wave:	kc/s	m	kW		
Mühlacker	575	522	100	1.	Network[2])
Heidelberg-Dossenheim	998	301	8	1.	–
Buchen-Walldürn	998	301	0.2	1.	–
Ulm-Jungingen	1169	257	3	1.	–
Heilbronn-Obereisesheim	1169	257	8	1.	–
Bad Mergentheim Löffelstelzen	1412	212	3	1.	–
Wertheim, Heidenheim, Crailsheim	1484	202	0.2	1.	–
Short Wave:					
Mühlacker s.w.	6030	49.75	20	1.	–
FM:		mc/s	kW		
Stuttgart-Degerloch I		94.5	3	1.	Network
Waldenburg II		93.6	10	2.	–
Stuttgart-Funkhaus II		93.2	0.25	2.	–
Aalen I		92.7	3.	1.	–
Wertheim		92.7	0.05	2.	–
Buchen-Walldürm		92.7	0.05	2.	–
Heidelberg-Königstuhl I		91.5	10	1.	–
Ulm-Wilhelmsburg II		91.5	0.25	2.	–
Geislingen-Oberböhringen I		91.2	0.25	1.	–
Stuttgart-Degerloch II		90.9	10	2.	–
Waldenburg I		90.0	10	1.	–
Aalen II		89.1	3	2.	–
Mühlacker		88.8	1	2.	–
Bad Mergentheim Löffelststelzen		88.8	0.1	2.	–
Heidelberg-Königstuhl II		87.9	10	2.	–
Ulm-Wilhelmsburg I		87.9	0.25	1.	–
Geislingen-Oberböhringen		87.6	0.25	2.	–

[1]) 1. Network relay the entire 1. Prgr. Interval: Mo.-Fri. 15.00–15.45. – 2. Network relay the entire 2. Prgr. and 1. Prgr. from opening. Interval: Mo.-Sat. 07.20–08.00. During the interval of one of the networks the first prgr. resp. the second prgr. will be relayed by the other network.
[2]) and a night-prgr.: Tues. Wed., Thurs.: 23.15–03.15.
FIRST PRGR.: Mo. 03.53–23.10, Tues.-Thurs. 03.56–23.15. Fri. 03.56 –23.10, Sat. 03.56–24.00, Sun. 04.57–24.00. – N.: W. 04.30, 05.00, 06.00, 07.00, 08.00, 11.30, 13.15, 17.00, 18.30, 21.00, 23.00 (Tues., Fri., Sat. only). Sun.: 07.00, 11.30, 18.30, 21.00, 23.00. – "Volksmusik": Sun. 05.00 or 06.10. Mo., Wed., Fri. 04.00, Mo., Tues., Thurs. 11.15. Wed. 16.00–16.45. – Prgr.-Preview: W. 06.10. Sun. 09.55. – Esperanto: W. 05.10–06.00. Mo.-Fri. 17.05–17.45.
FOREIGN SERVICE in Polish: Religious: First Fri. of the month 16.00–16.15.
SECOND PRGR.: Mo.-Thurs. 16.00–22.15, Fri. 16.00–22.30, Sat. 14.00–24.00, Sun. 07.05–22.15.
ANN.: "Süddeutscher Rundfunk". – INT.-SIGN.: The first notes of a Swabian folksong: "Jetzt ganz i an's Brünnele". – VER. by QSL-card.



SUDWESTFUNK (Anstalt des öffentlichen Rechts).

ADDR.: Anstalt des öffentlichen Rechts, Hans Bredowstrasse, Baden-Baden. Freiburg: Br. Günterstal, Kyburg. Mainz: Deutschhausplatz 8. Tübingen: Stauffenbergstr. 29. Kaiserslautern: Kanalstr. 11. Koblenz: Januarius-Zick Str. 8. Trier: Zeughausstr. 27. – Cable: Südwestfunk, Baden-Baden.
L. P.: Intendant: Prof. Fr. Bischoff. Prgr. Dir.: L. Hartmann. Dir. Tec.: E. Becker. Adm.:Oberregierungsrat A. Manke. Press- and Information Dept.: Dr. E. Laurenze. Studio-Dir. and Asst. Prgr.Dir.: K. Stippich. Legal Adviser: Prof. Dr. Carl Haensel. Chairman of the Radio Council: Prof. Dr. Karl Holzamer, Mainz. Chairman of the Adm.-Council: Dr. Josef Knecht, Freiburg/Br. Rheinland-Pfalz Studio: Chief Dr. Paul Felberg. – Freiburg Studio: E. Brugger. – Tübingen Studio: A. G. Richter.

HOME SERVICE:
Prgr. I: Sun.: 05.50–24.00 (Rheinsender only to 03.30). W. 04.45–23.10 (Wed. 24.00, Sat. 01.00).
Medium Waves:

	kc/s	m	kW		kc/s	m	kW
Baden-Baden	827	363	1.5	Trier	827	363	1
Freiburg	827	363	40	Rheinsender	1016	295	70
Kaiserlauterns	827	363	3	Bad Dürrheim	1538	195	20
Koblenz	827	363	0.5	Ravensburg	1538	195	40
Sigmaringen	827	363	1	Reutlingen	1538	195	10

Short Waves: Bad Dürrheim 7265 kc/s 41.29 m 1.5 kW.

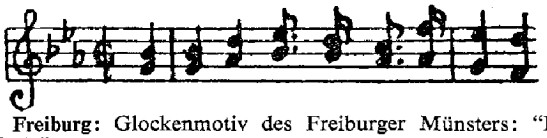
FM:	mc/s	kW		mc/s	kW
Baden-Baden 1	92.5	0.25	Linz 1/a. Rh.	97.8	3
Betzdorf 1/Westerw.	93.0	0.25	Potzbergl./		
Blauen 1	95.7	1.	Westpfalz	95.4	3
Hardtkopf 1	93.6	5	Raichberg 1/Alb.	91.8	3
Hochrheinsender 1	89.1	0.1	Witthoh 1/Hegau	87.6	1.5
Hornisgrinde 1	93.0	10	Wolfsheim 1	96.9	3
Koblenz 1	94.5	1			

N. Weatherrep.: 04.50 (W.) 06.00 06.55, 08.30 (W.), 11.45, 15.50 (W. exc. Sat.), 21.00, 23.00. – **Weatherrep.**: D. 18.40 (Sat. 18.30). – **"Marktbericht"**: W. 05.40. – **"Tribune der Zeit"**: D. 18.40 (Sat. 18.35). – **"Deutsche Pressestimme"**: W. 12.00.
Prgr. II: Sun. 05.50–24.00, W.: 04.45–23.10 (Wed. 24.00, Sat. 01.00).

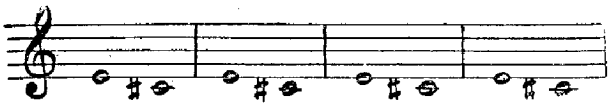
FM:	mc/s	kW		mc/s	kW
Baden-Baden 2	89.9	0.25	Mainz	93.3	0.05
Betzdorf 2	89.4	0.25	Linz 2	96.0	3
Blauen 2	87.9	3	Potzberg 2	91.2	3
Hardtkopf 2	90.0	5	Raichberg 2	88.2	3
Hochrheinsender 2	92.7	0.1	Waldburg	92.4	3
Hornisgrinde 2	89.4	10	Weinbiet	90.3	6
Koblenz 2	90.9	1	Witthoh 2	91.2	1.5
Eifel	88.2	2	Wolfsheim 2	99.3	3

N., Weatherrep.: W.: 04.50, 06.00, 06.55, 11.00, 15.50 (exc. Sat.), 21.40. Sun.: 06.00, 09.00, 13.00, 19.30, 21.40, 23.00. **French by Radio:** Mo., Wed., Thurs., Sat. 09.00. – **"Tribune der Zeit"**: W. 21.30, Sun. 21.40.
ANN.: "Hier ist der Südwestfunk. Uber Mittelwelle und UKWI hören Sie.... Uber UKWII hören Sie..." or "Hier ist der Südwestfunk Studio Mainz bzw. Freiburg bzw. Tübingen. Uber Mittelwelle u. UKWI bzw. UKWII hören Sie...". – INT.-SIG.: **Baden-Baden:**

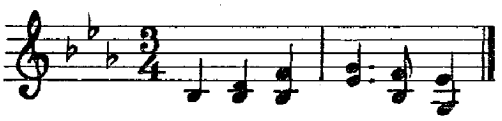
Motif from Mozart's "Zauberflöte": "Bald prangt den Morgen zu verkünden" (Piano).



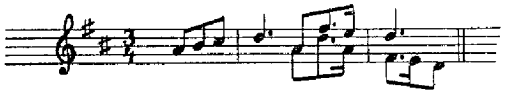
Studio Freiburg: Glockenmotiv des Freiburger Münsters: "Petrus und Maria".



Studio Tubingen: "Droben im Oberland" (2 horns)



Landesstudio Rheinland-Pfalz (Mainz): Alteration of the rhytm of the first movements in the song: "Dort wo der Rhein mit seinen Wellen..." (Celesta)



VER. by letter.

WESTDEUTSCHER RUNDFUNK (W.D.R.) (Anstalt des öffentlichen Rechts).

ADDR.: Wallrafplatz 5. – Studios: Bonn, Bundeshaus. Düsseldorf, Klosterstr. 60. Westfalen Studio: Dortmund, Märkische Str. 120. Büro, Münster and Bielefeld.

L.P.: Dir. Broadc.: Hans Hartmann. Dir. Adm. and Justitiar: Dr. Hans Brack. Dir. Studios: Hans Herbert Fischer. Adm.: Hans Sand. Chief-Eng.: Karl Schulz. Dir. Press Dept.: Josef Rick. Dir. Foreign Relations: Dr. Friedel Hömke. Chief Editor: Dr. Fritz Brühel. Dir. Music: Dr. Edmund Nick. Dir. Education: Dr. Walter Dirks. Chief Editor: Dr. Hans Otto Wesemann. Dir. Entertainment: Peter Kottmann.

HOME SERVICE:

1. Programme:	kc/s	m	kW	
Aachen/Stolb.	701	428	2	Mo.-Fri. 03.55–09.30, 11.00–00.00. Sat. 03.55–09.30, 11.00–01.00. Sun. 04.58–00.00
Herford	701	428	2	
Siegen	755	397	2	
Langenberg	971	309	100	Mo.–Fri. 03.55–09.30, 10.45–03.30. Tues.–Thurs. 03.55–09.30, 10.45–00.00. Sat. 03.55–09.30, 10.45–04.30. Sun. 04.58–03.30.
Münster	1502	199	0.4	
Bonn	1586	189	5	
Kleve	1586	189	3	

FM:	mc/s	kW		mc/s	kW
Langenberg I	87.9	10	Teutoburger-Wald I	90.6	10
Aachen I	90.0	1	Köln I	93.3	0.25
Nordhelle I	90.3	3			

N.: W.: 04.00, 05.00, 06.00, 07.00, 07.55, 12.00, 16.00 (exc. Sat.), 18.00, 20.45, 23.00. – Sun.: 06.00, 08.00, 12.00, 18.00, 20.45, 23.00. – **Weatherrep.:** Sun.: 05.00, 06.00, 08.00, 12.00, 18.00, 20.45, 23.00. – W.: 04.00, 05.00, 06.00, 07.00, 07.55, 12.00, 18.00, 20.45, 23.00. – **Mailbag:** Sun. 13.30. – **Request Prgr.:** Sun. 14.00–15.30. – **Religious:** W. 05.50. Sun. 09.00.

2. Programme: Mo.–Sat.: 05.45–13.00, 15.00–23.00. Sun. 06.00–23.00.

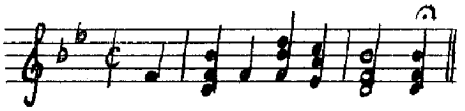
	mc/s	kW		mc/s	kW
Köln II	89.75	0.25	Münster	94.5	1
Bonn	89.7	0.25	Langenberg II	95.7	10
Kleve	91.5	0.25	Monschau	98.4	0.05
Siegen	91.8	0.25	Aachen II	98.45	1
Nordhelle II	93.9	3	Nordhelle III	98.7	3
Teutoburger-Wald II	94.2	10			

The second prgr. is relayed by station "Eifel" (SWF) and Hamburg III (NDR)

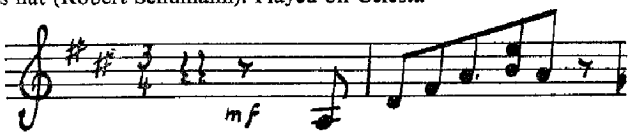
N.: W.: 06.30, 07.30, 11.30, 16.45 (exc. Sat.), 19.00, 22.00. – Sun.: 07.30, 11.30, 19.00, 22.00. – **Request Prgr.:** Mo.–Fri. 06.00. Sat. 06.00, 13.30. Sun. 06 05.

ANN.: 1st Prgr.: "Hier ist der Westdeutsche Rundfunk Köln". – 2nd Prgr.: "Hier ist der Westdeutsche Rundfunk mit dem zweiten Programme".

INT.-SIG.: **1. Prgr.:** Motif from "In jenen frohen Stunden" (L. von Beethoven). Electronic instrument



2. Prgr.: Motif from the second movement of the third symphony Es-flat (Robert Schumann). Played on Celesta



VER. by QSL-card – **F.PL.:** 3 FM st. Dec. 1956.

WEST-BERLIN

RIAS-Berlin (United States Information Agency)

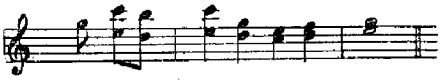
ADDR.: Berlin-Schöneberg, Kufsteinerstrasse 69. **Cable:** RIAS-Berlin, **L.P.: Direction:** Dir.: Gordon A. Ewing. Deputy Dir.: Robert F. Franklin. – **German Direction:** Dir. Prgr.: Eberhard Schütz. Tec. Dir.: Albert Pösniker. Dir. Adm.: Max R. Braun. Dir. Politic.: Roland Müllerburg. Dir. Education: Herbert Kundler. Dir. Plays.: Hanns Korngiebel. Dir. Music: Dr. Wolfgang Geiseler. Dir. Public Relations, D. Klaus Brock.

STATIONS:	kc/s	m	kW	
München	173	1735	1000	D. 04.30-07.30, 10.45–12.00.
Berlin	683	439	100	Mo.-Fri.: 04.00–16.43. Sat., Sun.: 04.00–16.58.
Berlin[3])	737	407	20	Mo.-Fri.: 16.45–23.15, Sat., Sun.: 17.00–23.15.
Hof	737	407	40	W.: 04.00–10.00, 10.30–01.05. Sun.: 04.00–01.05.
Berlin[2])	989	303	[1])	D. 02.00–02.00.
Berlin	6005	49.94	20	D. 04.00–02.05. Without break:
Berlin FM	88.8 mc/s		10	Sat. 04.00. – Tues. 02.05.
Berlin FM	92.1	–	0.25	W.: 16.45 (Sat. 17.00)–23.15, Sun. 13.00–23.15.

[1]) 200 kW: 02.00–17.00, 300 kW: 17.00–00.05; 100 kW: 00.05–02.00. [2]) RIAS I. [3]) RIAS II.

N.: D. 23.00, 00.00, 01.00, 02.00, 03.00, 04.00, 04.30, 05.30, 06.30, 07.30, 08.30, 11.30, 12.30(W), 15.30. RIAS I: W. 18.00, 20.00, 22.00. Sun. 15.30, 18.00, 21.00. RIAS II: W. 17.30, 19.30, 22.00. Sun. 15.30, 17.30, 20.30. – **Time Signals:** D. 23.00, 05.00, 11.00, 18.00. – **"Volksmusic":** Sun. 06.00, Sat. 14.00, Mo. 20.30 (RIAS I), Fri. 18.00 (RIAS II). – **Language Lessons:** E.: Tues., Fri. 09.30, F.: Mo., Thurs. 09.30. – **Mailbag ("Voice of America"):** Sun. 15.00 (RIAS I), 21.00 (RIAS II). – **Weatherrep.:** After N.

ANN.: "Hier ist RIAS-Berlin". – **INT.-SIG.:** From a Trio Sonate by Karl Fasch.



VER. by letter. – **Publications:** "RIAS sendet für Sie".

SENDER FREIES BERLIN

ADDR.: Sender Freies Berlin, Anstalt des öffentlichen Rechts, Heidelberger Platz 3, Berlin-Wilmersdorf (West-Berlin). – **Cable:** Sender Freies Berlin.

L. P.: Intendant and Dir. Prgr.: Alfred Braun. Dir. Adm.: Otto Bach. Dir. Tec.: Udo Blässer.

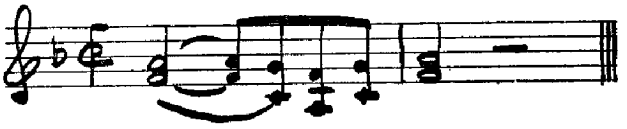
HOME SERVICE:

Berlin 1st Prgr.	566 kc/s	530 m	20 kW d.	
FM	90.0 mc/s		3 –	
Berlin 2nd Prgr.	1484 kc/s	202 m	5 –	
FM	93.6 mc/s		3 –	

D. PRGR.:

1st Prgr.: Mo., Fri., Sat. 03.55–03.45. Tues., Wed., Thurs. 03.55–24.00. Sun.: 04.58–03.45. – **2nd Prgr.:** Sun., Mo., Fri. 06.28–23.00. Sat. 06.28–24.00 (exc. Mo. to Fri. 13.05–15.00).

ANN.: "Hier ist der Sender Freies Berlin". – **INT.-SIG.:** Beethoven's Egmont-Fanfare. – **VER.** by letter.



Allied stations in Germany

ALLIED STATIONS

AMERICAN FORCES NETWORK (United States Army).
The American Forces Network operates solely to provide American Forces in Europa with information, education and entertainment by means of radio broadcasting.
ADDR.: APO 757, New York, N.Y. USA. – **L.P.**: Chief, American Forces Network: Lt. Colonel F. K. Tourtellotte. Tec. Supervisor: F. C. Clarke. Prgr. Supervisor: Don Brewer.

STATIONS:	kc/s	m	kW			kc/s	m	kW	
Munich	548	547	100	A	Schweinfurt	1142	263	0.25	B
Nurnberg	611	491	10	A	Wurzburg	1142	263	0.25	B
Grafenwohr	611	491	2	B	Bamberg	1304	230	0.25	B
Kaiserslautern	665	451	10	A	Berchtesgaden	1304	230	0.25	B
Frankfurt	872	344	150	A	Heidelberg	1304	230	1	B
Berlin	935	321	5	A	Regensburg	1304	230	0.25	B
Ansbach	1034	290	0.25	B	Fulda	1304	230	0.25	B
Bad Kissingen	1034	290	0.25	B	Kaufbeuren	1304	230	0.25	B
Kassel	1034	290	0.25	B	Bitburg	1394	215	0.25	B
Stuttgart	1106	271	100	A	Garmisch	1502	199.7	0.25	B
Bremerhaven	1142	263	1	A	Giessen	1502	199.7	0.25	B
Fussen	1142	263	0.25	B	Straubing	1502	199.7	0.25	B
Hersfeld	1142	263	0.25	B					

FM: Heidelberg FM 93.9 mc/s 3.18 m 0.25 kW B
Frankfurt FM 94.9 mc/s 3.16 m 10 kW B
Short Wave: Frankfurt 5470 kc/s 54.84 m 0.25 kW B
A = Studio. B = Relay.
D.PRGR.: A. 05.00 (Sun. 06.00)–00.05. – "This World this Week": Sat. 20.00. – **"Request Show"**: W. 05.30–06.00, 10.30–11.00, 22.05–24.00. – **N.**: 05.00(W), 06.00, 07.00(W), 09.00, 11.30, 14.00(Mo.–Fri.), 17.15(W), 19.00, 20.00(W), 21.30, 23.00(W), 24.00. – **Sp. Prgr.** on 1106 kc/s (Stuttgart): Thurs. 17.00–17.15. – **B**: 14.00–00.05.
ANN.: "This is AFN, the American Forces Network" announced at least every half-hour".
INT.-SIG.: Every h. on the h. AFN announces the time and the sixth and final pip is exactly on the h. as announced. – **VER.** by letter.

CANADIAN FORCES NETWORK (Canadian Army).
ADD.: F/S. Mc. Knight, J. W., Station Manager, CFNZ Zweibrücken.
STATION: 1640 kc/s 180.5 m 0.01 kW. – **D.PRGR: in E.**: 17.00 (Sun. 12.00)–23.00. – **VER.** by QSL-letter.

RADIO LIBERATION (Pr. – Former Citizens of the U.S.S.R.).
Radio Liberation speaks to the peoples of the U.S.S.R. and the Soviet Armed Forces as the free voice of their fellow countrymen abroad. Radio Liberation is supported by the American Committee for Liberation from Bolshevism, Inc., which derives its funds from contribution from private persons and organizations in U.S.A. and which also operates the transmitting facilities.
ADDR.: Radio Liberation, Lilienthalstrasse 2, Munich 19. – **Cable**: Amcomlib – or American Committee for Liberation from Bolchevism, Inc., 6 East 45th Street, New York 17, New York, U.S.A.
L. P.: Headquarters, New York: Pres. of the American Committee: Howland W. Sargeant. Dir. R.L. Network Division: Stephen Y. McGiffert. – **Munich**: Deputy to President, Europe: Robert F. Kelley. Acting Dir., Radio Prgr. Division: Lionel Rubinstein. Chief-Eng., Europe: Rolf G. Hartmann.
STATION Lampertheim: 6 tr. 10 kW each, 1 tr. 20 kW, 2 tr. 2.5 kW each.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
3990	75.18	7255	41.35	11720	25.72	15255	19.65
6055	49.55	7275	41.23	11765	25.50	15300	19.61
6175	48.58	9565	31.36	11780	25.47	15395	19.49
6185	48.50	9585	31.30	11785	25.46	15415	19.46
7130	42.08	9595	31.26	11825	25.38	15430	19.45
7170	41.84	9665	31.04	11925	25.16	17710	16.94
7205	41.64	9680	30.99	11935	25.13	17730	16.92
7220	41.55	9705	30.91	11965	25.06	17755	16.90
7225	41.52	9730	30.83	11975	25.04	17865	16.80
7245	41.40	9765	30.72	15225	19.71		

D.PRGR.: 00.00–24.00. Prgr. are prepared in Munich.

Target area	m.b.
Berlin	75, 49, 41, 31, 25
N.&S. Russia, Byelo-Russia, Ukraine	49, 41, 31, 25, 19, 16
Tatar-Bashkir, Caucasus, Turkestan	41, 31, 25, 19, 16

ANN.: Azerbaijanian: Danyshyr Azatlyk Radiosu. – **Armenian**: Kjosum E "Azatagrutyun" Radiokayane. – **Byelorussian**: Gavorye Radyio Vysvalen 'ne. – **Georgian**: Lanarakobs Radiosadguri Gonthavisupkhaleba. – **N. Caucasus**: Govorit Radiostantsiya Osvobozhdeniye (Russian) plus announcements in six local languages. – **Russian**: Govorit Radiostantsiya Osvobozhdeniye. – **Tatar-Bashkir**: Monda "Azatlyk" Radiostansyese Syuili. – **Turkestan**: Soezlayatgan "Azalyk" Radiosy (Uzbek) Gepleyar "Azatlyk" Radiosy (Turkmen) plus announcements in two other local languages. – **Ukrainian**: Govorit Radio Vysvolennia.

VOICE OF AMERICA RADIO STATION IN GERMANY

ADDR.: Voice of America, Washington 25, D.C., U.S.A.
STATIONS:
Long Wave: Munich-C 173 kc/s 1734 m 1000 kW 04.30–24.00
Medium Wave: Munich-A 1196 kc/s 251 m 150 kW 16.00–00.00
Short Wave: Munich 8/100 kW 11.00–22.15

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6080	49.34	7295	41.12	11840	25.34	15285	19.63
6140	48.86	9545	31.43	11890	25.23	15340	19.56
7160	41.90	9620	31.19	15160	19.79	15370	19.52
7250	41.38	11830	25.36	15210	19.72	17830	16.83

DAILY PRGR.:
Medium Wave:

15.45–16.00	German*)	18.30–19.30	Hungarian
16.00–16.15	Russian	19.30–20.00	Polish
16.15–16.45	English	20.00–21.00	Music U.S.A.
16.45–17.15	Russian	21.00–21.15	Serbo-Croat
17.15–17.30	German	21.15–22.30	Russian
17.30–18.00	Polish	22.30–23.00	Polish
18.00–18.15	Slovene	23.00–23.30	Czech
18.15–18.30	German	23.30–00.00	Hungarian

*) Sun. only.

Long Wave:

04.30–07.30	RIAS	16.45–17.15	Russian
07.30–07.45	Russian	17.15–17.30	German
07.45–08.00	Hungarian	17.30–18.00	Polish
08.00–09.00	Polish	18.00–18.30	Russian
09.00–10.45	Russian	18.30–19.30	Hungarian
10.45–12.00	RIAS	19.30–20.00	Polish
12.00–13.00	Russian	20.00–20.15	German
13.00–13.30	Polish	20.15–20.30	English
13.30–13.45	Russian	20.30–20.45	Russian
13.45–14.00	Hungarian	20.45–21.15	Hungarian
14.00–14.15	Czech	21.15–22.30	Russian
14.15–16.15	Russian	22.30–23.00	Polish
16.15–16.45	English	23.00–00.00	Music U.S.A.

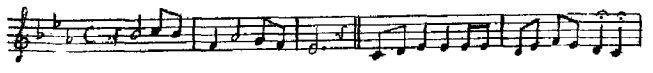
Short Wave: See U.S.A.
ANN.: "This is the Voice of America Radio Station in Munich". – **VER.** by QSL-card. No return postage required.

RADIO FREE EUROPE (Private, non-comm.) – by American contribution.
ADDR.: Radio Free Europe, a Division of the Free Europe Committee Inc., 110 West 57th Street, New York 19, N.Y., U.S.A. – **European addr.**: Englischer Garten 1, Munchen-22, Germany. Cable: Raduropa.
L.P.: Pres., Free Europe Committe Inc. (New York): Lieut. Gen. W. D. Crittenberger, USA. Retired. – Dir., Radio Free Europe: W. J. C. Egan. Dir. of Engineering: C. M. Harris. European Dir.: R. J. Condon. Deputy European Dir.: A. A. Michie. European Dir. of Engineering: G. L. Graveson.
Stations:
Medium Wave: Holzkirchen 719 kc/s 417.2 m 135 kW.
Short Wave: Eight s.w. transmitters in Biblis, Germany (with output powers of 10, 20 and 50 kW) and thirteen s.w. transmitters in Portugal (with outputs of 50 and 100 kW).

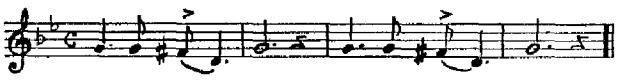
kc/s	m	kc/s	m	kc/s	m	kc/s	m
3960	75.75	7235	41.47	11745	25.54	15265	19.66
5960	50.37	7245	41.41	11755	25.52	15295	19.61
5970	50.25	7285	41.18	11760	25.51	15355	19.53
5985	50.12	7295	41.12	11775	25.48	15365	19.53
6015	49.88	7300	41.10	11815	25.39	15420	19.45
6020	49.83	9505	31.56	11830	25.36	17725	16.93
6095	49.22	9595	31.27	11855	25.31	17735	16.92
6105	49.14	9605	31.23	11885	25.24	17770	16.88
6130	48.94	9655	31.07	11895	25.22	17805	16.85
7105	42.22	9695	30.95	11915	25.17	17835	16.82
7140	42.02	9712	30.89	11940	25.13	17840	16.82
7145	41.99	9715	30.88	15115	19.85	17855	16.80
7155	41.93	9717.5	30.87	15145	19.81	17875	16.79
7165	41.87	9725	30.85	15170	19.78	17885	16.78
7175	41.80	9750	30.77	15185	19.76	21600	13.89
7180	41.78	11725	25.59	15195	19.74	21620	13.87
7192	41.72	11735	25.56	15215	19.71	21720	13.81
						21745	13.80

Most RFE frequencies are cleared for use both in Germany and in Portugal and the selection of transmission location is a function of propagation conditions throughout the year.
D.PRGR'S directed to Czechoslovakia, Poland, Hungary, Rumania, and Bulgaria.

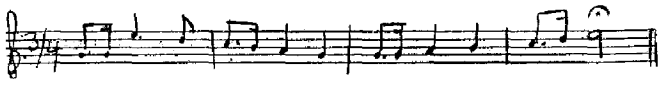
Czech/Slovak Sce.: 03.58 (Sun. 05.58)–23.00, 23.20–23.40 on 417, 351 m and in 75, 49, 41, 31, 25, 19, 16 and 13 m.b. – N. every h. on the h.
Hungarian Sce.: 04.57 (Sun. 06.57)–23.00, 23.40–00.10 in 49, 41, 31, 25, 19, 16 and 13 m.b. – N. every h. on the h.
Polish Sce.: W. 03.55–08.28, 09.28–23.20; Sun. 06.50–23.20 in 49, 41, 31, 25, 19, 16 and 13 m.b. – N. every h. on the h.
Rumanian Sce.: 03.45–04.45 (Sun. 05.45–06.45), 16.00–17.00, 18.00–20.00 in 49, 41, 31, 25, 19, 16 and 13 m.b.
Bulgarian Sce.: 03.45–04.45 (Sun. 05.45–06.45), 17.00–18.00, 20.00–22.00 in 49, 41, 31, 25, 19, 16 and 13 m.b.
ANN.: Czechoslovak: Sign on: "Hlási se vám hlas svobodného Ceskoslovenska – rozhlasová stanice Svobodná Evropa." – In E.: "This is the Voice of Free Czechoslovakia – Radio Free Europe calling." – Sign off: "Hlas svobodného Ceskoslovenska – rozhlasová stanice Svobodná Evropa konci nyni vysiláni. A Zuje svobodné Ceskoslovensko!" – In E.: "The Voice of Free Czechoslovakia – Radio Free Europe now concludes its broadcasts. Long live Free Czechoslovakia!"
Hungarian: Sign on: "Itt a Szabad Europa Radiója, a Szabad" and Sign off: "Magyarország Hangja." – In E.: "This is Radio Free Europe, The Voice of Free Hungary."
Polish: Sign on and Sign off: "Mówi Radio Wolna Europa-Glos Wolnej Polski!" – In E.: "This is Radio Free Europe, the Voice of Free Poland!"
Rumanian: Sign on: "Aici e Radio Europa Libera, Vocea Romaniei" and Sign off: "Libere." – In E.: "This is Radio Free Europe, the Voice of Free Rumania."
Bulgarian: Sign on: "Govori glassat na svobodna Balgaria." – In E.: "You are listening to the Voice of Free Bulgaria." – Sign off: "Took e Radio Svobodna Evropa, glassat na svobodna Balgaria." – In E.: "This is Radio Free Europe, the Voice of Free Bulgaria."
INT.-SIG.: Czech: Czech and Slovak National Anthem (Celesta):



Hungarian: Old Hungarian folksong: "When the Cock Crows" (Taragota):

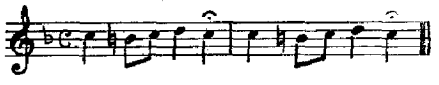


Polish: Polich patriotic song: "The day will come" (Brass instruments):



Rumanian: Part of "Rumanian Rhapsody" by Enescu (Orchestra:

Bulgarian: Part of Bulgarian National Anthem (Celeste):



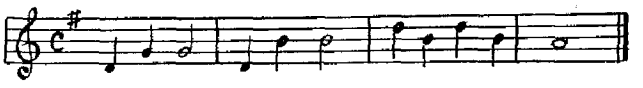
VER. by QSL-card or letter from either Munich or New York. Return postage unnecessary.

BRITISH FORCES NETWORK (Military).

B.F.N.'s function is to entertain and provide a reliable news service for members of H.M. Forces and their dependants stationed in N.W. Germany.
ADDR.: B.F.N., Cologne. British Forces Post Office 19. **Publ.:** BFN bulletin. – **L.P.:** Station Dir.: D. G. Scuse. Dir. Tec.: A. L. Langford.
STATIONS: 10 kW. FM.

	mc/s		mc/s		mc/s
Nordhelle	87.15	Bonn	96.5	Hannover	99.0
Berlin	87.6	Herford	96.6	Berlin	99.05
Langenberg	89.1	Hamburg	98.4	Drachenberg	99.3
Verden	90.3				

BFN must take the Light Programme from one hour before sunset throughout the year in order to avoid mutual interference.
D.PRGR. on all frequencies in **E.:** 05.30 (Sun. 07.00)–22.30 (Sat. 24.00), (Sun. 22.15).
N. from B.B.C.: 07.00, 08.00, 12.00, 18.00, 21.00. – **"N. of Germany":** W. 06.50, 12.10. – **Language Lessons:** "Sprechen Sie Deutsch" three days a week at 09.00, 17.45. – **Mailbag:** Two-way exchange with the B.B.C. Light Prgr: Sun. 11.05. – **For Housewives:** D. 08.00, Mo. through Fri: 17.00. – **Weatherrep.:** Precede or follow each N.-bulletin.
ANN.: "This is the British Forces Network in Germany". – **INT.-SIG.:** British Army Bugle Call "Fall-in" played on Celeste.



VER. by letter. Local Reception Reports only are required.

GERMAN DEMOCRATIC REPUBLIC

STAATLICHES RUNDFUNK KOMITEE (Govt.).

ADDR.: Staatliches Rundfunkkomitee, Berlin-Oberschöneweide, Nalepastrasse 18-50. **Cable:** Funkkomitee, Berlin.
L. P.: Vorsitzender: Prof., Dr. Herman Ley. Stellvertr. Vorsitzender: Willi Perk.
HOME SERVICES:

Deutschlandsender

kc/s	m	kW
185	1621.6	100
782	383.6	500
881	340.5	20
6115	49.06	5
7150	41.96	5

FM: 92.5, 94.6 mc/s.

Berliner Rundfunk

	kc/s	m	kW
Karl-Marx-Stadt	602	498	20
Berlin	611	491	20
Reichenbach	912	328.9	20
Plauen	1079	278.1	20
Bernburg	1196	250.8	20

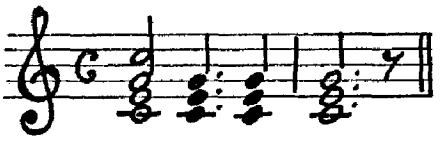
FM: Dresden 89.8, Inselberg 94, Berlin 98.2, Schwerin 89.2 mc/s

Radio D.D.R.

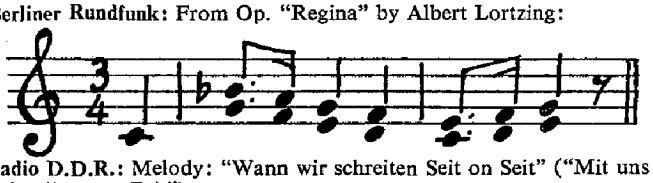
	kc/s	m	kW
Cottbus	520	576.9	20
Berlin	529	567.1	20
Potsdam	557	538.6	20
Leipzig	575	521.7	300
Greifswald	656	457.3	5
Suhl	688	436	20
Schwerin	728	412.1	500
Erfurt	854	351.3	20
Dresden	1043	287.5	220
Leipzig	9730	30.83	12

FM: Jessen 91, Marlow 91, Rheinsberg 95.2, Burg 97 mc/s

DEUTSCHLANDSENDER: Sun. 03.00–03.00. W.: 03.00–07.10, 07.10–09.10 (exc. 782, 6115, 7150 kc/s), 09.10–11.00 (exc. 185, 881 kc/s), 11.00–24.00 (Sat. 02.00), 00.00–03.00 (728, 782 kc/s only)).
"Nordseefischereibericht" on 185 kc/s. Sun. 16.40. W. 17.45. – **"Bericht fur die Hochseefischerei"** on 728, 656 kc/s. D. 23.50, 02.55. Sun. 12.10.
N. and Weatherrep.: 04.00, 04.30(W), 05.00, 05.30(W), 06.00, 07.00, 09.00(W), 11.00(W), 12.00, 16.00, 18.00, 20.00(W), 22.00(Mo.–Fri.), 23.00, 01.00 (exc. Wed., 03.00(W)).
Volksmusik: Sun. 11.15–12.00, Wed. 21.30–21.40, Mo., Thurs., Fri. 16.30–17.00. Tues., Fri. 08.30–09.00.
BERLINER RUNDFUNK: Sun. 03.30–24.00. W. 03.30–07.35, 09.10–24.00 (Sat. 01.00).
N. and Weatherrep.: 03.33(W), 04.30, 05.30, 06.30, 07.30(W), 09.30, 12.30, 14.30 (Sun., Sat.), 16.30 (Mo.-Fri.), 18.30, 20.30, 22.30, 23.30.
Volksmusik: Sun.: 13.30–14.00, Mo., Wed.: 12.40–13.00; Tues.: 18.05–18.30; Fri. 13.00–13.30; Sat. 12.30–12.40.
Sorbisch: On 912 kc/s Sun. 10.40–11.30. Tues., Thurs. 17.10–18.00.
RADIO D.D.R.: Sun. 03.30–24.00. W. 03.30–09.10, 09.10–10.50 (575 kc/s only), 10.50–24.00 (Sat. 02.00). – **"Küsten und Ostseefischereibericht"** on 728, 656 kc/s: D. 17.15.
N. and Weatherrep.: 04.00, 05.00, 06.00, 07.00, 08.00 (Sun.), 09.00(W), 11.00, 13.00, 15.00 (Mo.-Fri.), 17.00 (Sat.), 19.00, 21.00, 23.00, 24.00 (Sat.).
Volksmusik: Sun. 13.10–13.30. Wed. 07.25–07.55, 17.30–17.55. Thurs. 11.25–12.00, 18.30–18.45; Fri. 17.30–17.55. – **Russian by R.:** Every second Fri.: 21.10–21.25. – **Mailbag:** Every second Sat.: 16.40–17.00.
PRGR. IN SORBIAN:
Sun.: 11.15–11.30, Mo.: 18.00–18.30, Thurs.: 18.00–18.30 on 912 kc/s. – Sun. 13.10–13.30 on 728 kc/s.
FOREIGN SERVICE on 9730, 7150, 6115 kc/s:
English: 20.00, 21.30, 22.30. **French:** 19.30, 21.00, 23.00. **Swedish:** 19.05, 20.30, 22.00.
ANN.: Home Service: "Hier ist der Deutschlandsender (Berliner Rundfunk – Radio D.D.R.)". – **Foreign Service:** "Democratic Germany speaking to you". – "L'Allemagne Démocratique vous parle" – **Swedish:** "Här är Berlin. Den demokratiska radiotjänsten sänder för Sverige".
INT.-SIG.: Deutschlandsender: From "Die Meistersinger von Nürnberg":

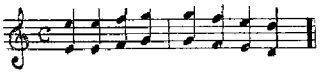


Berliner Rundfunk: From Op. "Regina" by Albert Lortzing:



Radio D.D.R.: Melody: "Wann wir schreiten Seit on Seit" ("Mit uns zieht die neue Zeit").

Foreign Service: Theme from Ludwig van Beethoven 9. symphony ("Freude, schöner Götterfunken"):



VER. by QSL-card. – **PUBLICATION:** "Unser Rundfunk", weekly.

★ GREAT BRITAIN ★

Local Time: GMT (Su. 1 h. ahead of GMT). – **Language:** English.

THE BRITISH BROADCASTING CORPORATION

(The BBC operates under a Royal Charter and under license and agreement with Her Majesty's Postmaster General).

Weekly Publications: "Radio Times", "The Listener", "London Calling", "Ici Londres", "Hier spricht London", "London calling Europe", "The BBC Handbook; annual".

ADDR.: The British Broadcasting Corporation, Broadcasting House Portland Place, London W1.

L.P.: Dir.-Gen.: Sir Ian Jacob, K.B.E., C.B. Chief Ass. to Dir.-Gen.: H. J. G. Grisewood. Dir. of Adm.: Hugh Carleton-Greene, O.B.E. Dir. of Television Broadc.: G. C. Beadle, C.B.E. Ass. Dir. of Television Broadc.: R. C. McCall, C.M.G. Dir. of External Broadc.: J. Beresford Clark, C.B.E. Ass. Dir. of External Broadc.: E. Tangye Lean, C.B.E. D r. of Engineering: Sir Harold Bishop, C.B.E. Dir. of Sound Broadc.: R. E. L. Wellington, C.B.E. Contr. Home Service: Andrew Stewart, C.B.E. Contr. Light Prgr.: H. Rooney Pelletier. Contr. Third Prgr.: John Morris. Contr. Prgr. Television: Cecil McGivern, C.B.E. Contr. Overseas Services: D. Stephenson, O.B.E. Contr. European Services: James Monahan. Contr. Entertainment (Sound): M. F. C. Standing. Contr. Music: R. J. F. Howgill, C.B.E. Editor, News: Tahu Hole. Contr. Talks (Sound): J. D. F. Green. Chief Engineer: R. T. B. Wynn, C.B.E. Contr. Finance: T. Lochhead, C.B.E. Contr. Staff Adm.: J. H. Arkell. Contr. Scotland: M. Dinwiddie, C.B.E., D.S.O., M.C. Contr. Wales: A. B. Oldfield-Davies, C.B.E. Contr. N. Ireland: R. D. 'A. Marriott, D.F.C. Contr. W. Region: F. G. Gillard, O.B.E. Contr. Midland Region: H. J. Dunkerley, C.B.E. Contr. N. Region: T. W. Chalmers.

HOME SERVICES: W. 06.25–23.13 approx. Sun. 07.55–23.08 approx.

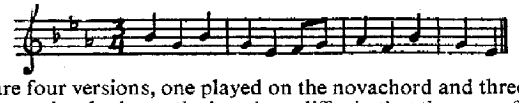
		kc/s	m	kW
Cromer	Northern	692	434	2
Moorside Edge	–	692	434	150
Whitehaven	–	692	434	2
Barrow	Northern	1484	202	2
Westerglen	Scottish	809	371	100
Burghead	–	–	–	100
Redmoss	–	–	–	5
Dumfries	–	–	–	2
Washford	Welsh	881	341	100
Penmon	–	–	–	8
Towyn	–	–	–	5
Wrexham	–	–	–	2
Brookmans Park	London	908	330	140
Ramsgate	–	1484	202	2
Start Point	West	1052	285	120
Barnstaple	–	–	–	2
Clevedon	–	1457	206	20
Bartley	–	–	–	10
Brighton	–	–	–	2
Folkestone	–	–	–	1
Bexhill	–	–	–	2
Redruth	–	1457	206	2
Droitwich	Midland	1088	276	150
Postwick	–	–	–	7.5
Lisnagarvey	N. Ireland	1151	261	100
Londonderry	or Northern	–	–	0.25
Stagshaw	–	–	–	100
Scarborough	–	–	–	2

N.: D.: 07.00 (W.), 08.00, 13.00, 18.00, 21.00, 23.00.
Greenwich Time-Sig.: 07.00 (W.), 08.00, 11.00 (W.), 13.00, 18.00, 23.00.
INT.-SIG.: Bow Bells.

LIGHT PROGRAMME: W. 09.00–24.00. Sun. 07.45–24.00.

	kc/s	m	kW		kc/s	m	kW
Droitwich	200	1500	400	Moorside Edge	1214	247	58
Brookmans Park	1214	247	60	Plymouth	–	–	0.3
Burghead	–	–	20	Redmoss	–	–	2
Lisnagarvey	–	–	10	Redruth	–	–	2
Londonderry	–	–	0.25	Newcastle	–	–	2
				Westerglen	–	–	50

N.: D.: 09.00, 19.00, 22.00, 23.56. – **Greenwich Time-Sig.:** W.: 10.00, 11.00 (Sat. only), 14.00 (not Sat.), 15.00 (exc. Sat)., 19.00, 22.00. Sun.: 09.00, 19.00, 22.00.
INT.-SIG.: 1) Oranges and Lemons.



There are four versions, one played on the novachord and three played on the novachord celeste; the last three differ in that they are of varying duration.
2) Harp arpeggios – a choice of six harp interludes.

THIRD PROGRAMME: D. 18.00 – between 23.20–24.00.

	kc/s	m	kW		kc/s	m	kW
Daventry	647	464	150	Dundee	1546	194	0.25
Edinburgh	–	–	2	Exeter	–	–	0.25
Glasgow	–	–	2	Fareham	–	–	1
Newcastle	–	–	2	Leeds	–	–	1
Redmoss	–	–	2	Liverpool	–	–	1
Belfast	1546	194	0.25	Preston	–	–	1
Bournemouth	–	–	0.25	Plymouth	–	–	1
				Redruth	–	–	1
Brighton	–	–	1	Stockton	–	–	0.25/1
				Swansea	–	–	1

FM	Home Sce.	Light Prgr.	Third Prgr.	kW E.R.P.
Wrotham (Kent)	93.5	89.1	91.3	120
Pontop Pike (Newcastle)	92.9	88.5	90.7	60
Divis (Belfast, N. Ireland)	94.5	90.1	92.3	60
No. Hessary Tor (So. Devon)	92.5	88.1	90.3	60
Meldrum (Aberdeenshire)	93.1	88.7	90.9	60
Holme Moss (No. of England)	93.7	89.3	91.5	120
Sutton Coldfield (Birmingham)	92.7	88.3	90.5	120
Norwich (Norfolk)	94.1	89.7	91.9	120
Blaen Plwy (We. Wales)	93.1	88.7	90.9	60
Wenvoe (So. Wales)	94.3*	89.9		120

*Frequencies subject to confirmation.
Four new VHF-stations will be completed by the end of 1957 and two more during 1958.

FOREIGN SERVICE

Call	kc/s	m	Call	kc/s	m	Call	kc/s	m
MCM	3952.5	75.90	GWA	6125	48.98	GRT	7150	41.96
GRC	3975	75.47	MCW	6140	48.86	GRK	7185	41.75
MCP	5975	50.21	GRW	6150	48.78	GWZ	7200	41.67
MCU	5990	50.08	GWK	6165	48.66	GWL	7210	41.61
GRB	6010	49.92	GSZ	6170	48.62		7220	41.55
GWS	6035	49.71		6175	48.58	GSW	7230	41.49
GSY	6040	49.67	GRO	6180	48.54	GWI	7250	41.38
GSA	6050	49.59	GRN	6195	48.43	GSU	7260	41.32
GSX	6060	49.50	MCS	7110	42.19	GWN	7280	41.21
GRR	6070	49.42	GRM	7120	42.13	GRJ	7325	40.96
MCV	6080	49.34		7130	42.08	GRI	9410	31.88
GWM	6090	49.26	GRS	7135	42.05	GSB	9510	31.55
GSL	6110	49.10		7140	42.02	GWJ	9525	31.50

Adv.:

GIBRALTAR

"RADIO-AFRICA-GIBRALTAR" (Comm.)
ADDR.: 9, rue de Russie, Tangier. – Cable: "Rafrica", Tanger. – Télex: 33007. – Tél.: 132-31 – 132-32 – 132-33 – 132-34.
L.P.: Deputy Adm.: J. D. de Bournet. Prgr.: A. Donper. Chief Eng.: A. Kolher. Listeners Sce.: Mrs. Martin.
Service: D. 17.00–19.00 in English and Spanish: 593 kc/s 506 m 1.25 kW.
ANN.: English: "This is Radio Africa Gibraltar." – Spanish: "Aqui Radio Africa Gibraltar."
INT.-SIG.: Ship Siren.
VER. by QSL-card.

	9530	31.48	GWV	11790	25.45	GRA	17715	16.93
GWB	9550	31.41	GWH	11800	25.42	GVQ	17730	16.92
	9555	31.40	GSN	11820	25.38	GRQ	17740	16.91
	9560	31.38	GWQ	11840	25.34		17745	16.91
GWX	9570	31.35	GSE	11860	25.30		17755	16.90
GSC	9580	31.32	GRE	11880	25.25	GSG	17790	16.86
GRY	9600	31.25	GWW	11890	25.23	GSV	17810	16.84
	9615	31.20	MCO	11910	25.19		17860	16.80
GWO	9625	31.17	GVX	11930	25.15	GRP	17870	16.79
GVZ	9640	31.12	MCQ	11945	25.12	GVO	17890	16.77
GWP	9660	31.06	GVY	11955	25.09	GSH	21470	13.97
GWT	9675	31.01	MCT	11960	25.08		21485	13.96
GRX	9690	30.96		11965	25.07	GSJ	21530	13.93
GWY	9700	30.93	GRV	12040	24.92	GST	21550	13.92
	9725	30.82	GRF	12095	24.80	GVT	21630	13.87
GWF	9735	30.82	GWC	15070	19.91	GRZ	21640	13.86
	9740	30.80	GWG	15110	19.85		21650	13.86
	9750	30.77	GSF	15140	19.82		21655	13.85
	9755	30.75	GSO	15180	19.76	MCX	21660	13.85
MCR	9760	30.74	GWU	15210	19.72	GVR	21675	13.84
	9765	25.59	GWD	15230	19.70	GVS	21710	13.82
MCN	9770	30.71	GSI	15260	19.66		21720	13.81
GRH	9825	30.53	GWR	15300	19.61	MCY	21740	13.80
GRU	9915	30.26	GSP	15310	19.60		25650	11.70
GRG	11680	25.68		15360	19.53	GSR	25720	11.66
GVW	11700	25.64		15420	19.46	GSQ	25750	11.65
	11725					GSS	25840	11.61
GVV	11730	25.58	GWE	15435	19.44		25850	11.60
GSD	11750	25.53	GRD	15447.5	19.42	GSK	26080	11.50
GVU	11770	25.49	GVP	17700	16.95			
	11780	25.47						

EUROPEAN SERVICES:

STATIONS: Long and Medium Waves:
200 kc/s 1500 m – 1295 kc/s 232 m FM: Berlin 87.5 mc/s
647 – 464 – – 1340 – 224 –

The two columns below show the wavebands, which the BBC expects to use during the months from April to September and October to March. There will, however, be changes of both wavelengths and wavebands – sometimes of short notice – and listeners are advised to listen to announcements which will cover all such changes. Detailed wavelengths information can be obtained from the prgr. journals.

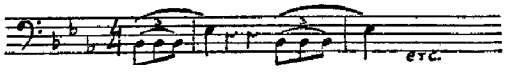
	Oct.–March m.b.	April–Sept. m.b.
Albanian		
17.30–17.45 N.	25, 19, 16	31, 25, 19
19.30–19.45 N.	31, 25*	31, 25*
Austrian		
17.45–18.15 Prgr.	25, 19, 16	31, 25, 19
Bulgarian		
04.30–04.45 N.	49, 41, 31, 25, 19	41, 31, 25, 19
11.00–11.15	19, 16, 13	25, 19, 16, 13
14.30–14.45	25, 19, 16, 11	25, 19, 16, 13
16.15–16.30	19, 16, 13	25, 19, 16, 13
20.30–21.00 Prgr.	25, 19, 16*	25, 19, 16*
Czech		
05.15–05.30 N.	15,00, 232, 75, 49, 41, 31, 25	49, 41, 31, 25, 19, 16
11.15–11.45 (CBC relay Sun.)	25, 19, 16, 13	25, 19, 16,13
13.45–14.00	31, 25, 19, 16	31, 25, 19, 16
15.30–15.45	25, 19, 16, 13	25, 19, 16, 13
20.00–20.30	31, 25, 19*	31, 25, 19*
22.00–22.30 (CBC relay Sat.)	232, 49	232, 31
Slovak		
11.45–12.00	31, 25, 19, 16, 13	31, 25, 19, 16, 13
17.00–17.15	31, 25, 19, 16, 13	31, 25, 19, 16
Danish		
17.00–17.30 N. & Prgr.	232, 41, 31	232, 41, 31
Dutch		
07.00–07.15 E. by R. (Sun. Mo.)	464, 49	464, 41
16.45–17.15 N. & Prgr.	224, 41	224, 41
English		
05.00–05.15 E. by R.	49, 41, 31, 25	49, 41, 31, 25
06.00–06.30 N., Prgr.	464, 49, 41, 31, 25, 19	464, 49, 41, 31, 25
06.45–07.00 E. by R.	232, 49, 41, 31, 25, 19, 87.6 mc/s	232, 41, 31, 25, 19, 87.6 mc/s
07.00–07.30 N., Prgr.	232, 49, 41, 31, 25, 19, 87.6 mc/s	232, 49, 41, 31, 25, 19, 87.6 mc/s
10.15–10.30 Rel. Ser.** W. only	31, 25	31, 25
12.15–12.30 E. by R.		
12.30–12.45 E. by R. Dictat	41, 31, 25, 19, 16	41, 31, 25, 19, 16
12.45–13.00 N. (Dictat)		
16.15–16.45 A.C.E.	464 (exc. Sun.), 224, 41, 31, 25	464 (exc. Sun.), 224, 41, 31, 25
16.45–17.00 E. by R.	232, 41, 31, 25, 19, 87.6 mc/s	232, 41, 31, 25, 19, 87.6 mc/s
17.15–17.30 E. by R.	224, 41, 31, 25 19 16	224, 41, 31, 25, 19, 16
17.30–18.15 N., Prgr.	224, 41, 31, 25, 19, 16	224, 41, 31, 25, 19, 16
18.15–18.30 Press Rev.	224, 41, 31, 25, 19, 16	224, 41, 31, 25, 19, 16
19.15–19.30 E. by R.	224, 41, 31, 25	224 41 31, 25
19.30–19.45 Dictation	224, 41, 31, 25	224, 41, 31, 25
19.45–20.00 N. Dictat.	224, 49, 41, 31	224, 49, 41, 31
21.15–21.30 E. by R.	232, 224, 49, 41, 87.6 mc/s	232, 224, 41, 25, 87.6 mc/s
21.45–22.00 N.	232, 224, 49, 41, 87.6 mc/s	232, 224, 41, 31, 25, 87.6 mc/s
Finnish		
15.45–16.00 E. by R. (Mo. Thurs. Sat.)	232, 31, 25, 19	232, 41, 31, 25, 19
16.00–16.45 N., Prgr.	31, 25, 19	31 25 19
19.00–19.15 N.	41, 31, 25, 19	41, 31, 25, 19
French		
06.30–07.00 N.	464, 49, 41, 31	464, 49, 41, 31
11.30–12.15 N.	464, 41, 31, 25	464, 41, 31, 25
18.30–19.15 N.	224, 41, 31, 25	224, 41, 31, 25
20.00–21.00 N., E. by R.	224, 49, 41, 31	224, 41, 31, 25
German		
04.45–05.15 Prgr.	1500, 232, 75, 49, 41, 87.6 mc/s	1500, 232, 49, 41, 25, 87.6 mc/s
06.00–06.45 N.	1500, 232, 49, 41, 31, 87.6 mc/s	1500, 232, 41, 31, 25, 87.6 mc/s
15.45–16.00 Religious (Sun. only)	232, 31, 25, 19 87.6 mc/s	232, 31, 25 87.6 mc/s
16.00–16.15 N.	232, 31, 25, 19 87.6 mc/s	232, 31, 25, 87.6 mc/s
18.00–18.15 "Hier Spricht Kanada" (Sun. Tues. Thurs. Sat.)	232 87.6 mc/s	232 31, 25, 87.6 mc/s
18.15–18.30 "Lernt Englisch"	232, 41, 31, 87.6 mc/s	232, 31, 25, 87.6 mc/s
19.00–21.15 N., Prgr.	232, 41, 31, 87.6 mc/s	232, 31, 25, 87.6 mc/s
Greek		
05.00–05.15 N.	31, 25, 19	25, 19
12.45–13.00 N.	19, 16, 13	19, 16, 13
18.30–19.00 Prgr.	19, 16, 18	19, 16, 18
Hungarian		
04.45–05.00 N.	49, 41, 31, 25, 19	41, 31, 25, 19
05.45–06.00 N.	41, 31, 25, 19, 16	31, 25, 19, 16
12.00–12.15 N.	25, 19, 16, 13	25, 19, 16, 13
13.00–13.15 Prgr. } 16.45–17.00 Prgr. }	25, 19, 16, 13	25, 19, 16, 13
19.30–20.00 Prgr.	31, 25, 19*	31, 25, 19, 16*
Italian		
06.30–06.45 N.	31, 25, 19	31, 25, 19
06.45–07.00 E. by R. (Mo. Thurs.)	31, 25, 19	31, 25, 19
12.15–12.30 E. by R. (Tues. Fri.)	25, 19, 16	25, 19, 16
12.30–12.45 N.	25, 19, 16	25, 19, 16
18.30–19.00 Prgr.	31, 25, 19	31, 25, 19
21.00–21.45 N. Prgr.	41, 31, 25	31, 25, 19
Norwegian		
15.45–16.00 E. by R. (Sun. Tues. Wed. Fri.)	232 (W.), 41, 31, 25	232 (W.), 41, 31, 25
17.30–18.00 N. Prgr.	232, 41, 31	232, 41, 31
Polish		
05.30–05.45 N.	49, 41, 31, 25, 19, 16	49, 41, 31, 25, 19, 16
07.30–07.45	31, 25, 19, 16	25, 19, 16, 13
14.00–14.15 N.	31, 25, 19, 16	31, 25, 19, 16, 13
16.30–17.00 A.C.E.	31, 25	31, 25
18.30–19.00 Prgr.	31, 25, 19	25, 19, 16
21.00–21.15	224, 49, 41, 31, 25	224, 41, 31, 25, 19, 16
22.00–22.30 Prgr.	232 (not Sat.), 224, 75, 49, 41, 31	232 (not. Sat.), 227 41, 31, 25, 19, 16
Portuguese		
19.30–20.00 N. Prgr.	25, 19	25, 19
Rumanian		
04.15–04.30 N.	49, 41, 31, 25, 19	41, 31, 25, 19
10.45–11.00	19, 16, 13	19, 16, 13
14.15–15.30	25, 19, 16, 11	25, 19, 16, 13, 11
16.00–16.15	25, 19, 16, 13*	25, 19, 16, 13*
19.00–19.30 N. Prgr.	25, 19, 16, 13*	25, 19, 16, 13*
21.45–22.00 N.	31, 25, 19*	31, 25, 19, 16*
Russian		
03.45–04.15	232, 224, 49, 41, 31	232, 224, 41, 31, 25, 19
15.00–15.30 N. Prgr.	31, 25, 19, 16	31, 25, 19, 16, 13
18.00–18.15	41, 31, 25, 19	31, 25, 19, 16
21.15–21.45 N. Prgr.	49, 41, 31, 25	31, 25, 19, 16

Spanish		
13.00–13.15 E. by R. (Mo. Tues. Thurs. Fri.)	31, 25, 19	31, 25, 19
13.15–13.30 N.	31, 25, 19	31, 25, 19
21.15–22.00 N. Prgr.	224, 41, 31	31, 25, 19
Swedish		
18.30–19.00 N. Prgr.	232, 41, 31	232, 41, 31
Turkish		
05.00–05.15 N.	31, 25, 19	31, 25, 19
16.30–16.45	19, 16, 13	19, 16, 13
19.00–19.30	25, 19, 16	19, 16, 13
Yugoslav		
13.15–13.45 Slovene (Sun. only)	25, 19	25, 19
15.45–16.00 Prgr. (Sun. only)	25, 19	25, 19
16.15–16.30 E. by R. (Mo. Wed.)	25, 19	25, 19
16.30–16.45 N.	25, 19	25, 19
18.15–18.30 Slovene	25, 19	25, 19
19.30–20.15 N. Prgr.	31, 25	31, 25
22.00–22.15 N.	31, 25	31, 25

* Additional wavelengths. ** Su. one h. earlier.

GREENWICH TIME-SIGNALS at the hour are radiated on one o other of the European Programmes on the long, medium or short waves normally scheduled at 05.00, 06.00, 07.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 19.00, 20.00, 21.00, 22.00. – **Big-Ben:** 19.00 and 20.00.

ANN.: "This is London calling in the European Service of the B.B.C.". In French: "Ici Londres". In German: "Hier ist England". In Dutch: "Hier is Londen". In Italian: "La Voce di Londra". – **INT.-SIG. for European Service:** Morse Signal "V" (V for Victory) played on Timpani (i.e....–).



GENERAL OVERSEAS SERVICE:

The General Overseas Service, which operates 21 hours a day 04.30–08.00, 09.30–03.00 and can be heard at suitable listening times all over the world, is addressed to English-speaking listeners, wherever they may be. **All programmes are in English.** The times at which the General Overseas Service is available in various parts of the world and the appropriate wavebands are: (all times are subject to alterations):

	Oct.-March m.b.	April-Sept. m.b.
Australia		
06.00–08.00	31, 25, 11	25, 19
09.30–11.30	19, 16, 13, 11	19, 16, 13
20.00–22.15	31, 25, 16, 13	25, 19, 16, 13
N. Zealand		
06.00–08.00	25, 19	25, 19
09.30–11.30	19, 16, 13	19, 16
20.00–22.15	25, 19, 16	25, 19, 16
Japan, N. China, NW Pacific		
09.30–14.15	25, 19, 16, 13	19, 16, 13
S.E.Asia, India, Pakistan, Ceylon:		
01.45–02.15	31, 25, 19	25, 19, 16
09.30–18.15	25, 19, 13, 11	19, 13, 11
E.Africa, Egypt, Sudan, Israel, Jordan, Turkey, Lebanon:		
04.30–06.15	25, 19, 16, 13	25, 19, 16, 13
09.30–21.00	31, 25, 19, 13, 11	25, 19, 16, 13, 11
Iraq, Persia:		
04.30–06.15	25, 19, 16	25, 19, 16
14.15–20.15	25, 19, 13	25, 16, 13
Malta, Greece, Italy, C.Mediterranean:		
04.30–07.15	31, 25, 19, 16	31, 25, 19, 16
09.30–21.00	31, 25, 19, 13, 11	31, 25, 19, 16, 13
C. and S. Africa:		
04.30–08.00	25, 19, 16, 13	25, 19, 16, 13
10.30–22.45	31, 25, 19, 16, 13, 11	31 25 19 16 13 11
N. Africa:		
04.30–07.15	31, 25, 19, 16	25, 19, 16
16.00–22.45	31 25 19 16 13	31 25 19, 16, 13
W. Africa:		
04.30–08.00	25, 19, 16, 13	25, 19, 16, 13
09.30–20.15	19, 16, 13, 11	19, 16, 13, 11
21.00–22.45	25, 19	25, 19, 16
Gibraltar, W. Mediterranean:		
04.30–07.15	31, 25, 19	31, 25, 19
10.30–22.45	25, 19, 16, 13, 11	25, 19, 16, 13
So. Georgia:		
22.15–00.30	41, 31, 25	41, 31
Canada, U.S.A., Mexico:		
21.00–03.00	31, 25, 19, 16	31, 25, 19, 16
W. Indies, C. America, S. America (N. of Amazon):		
20.00–23.15	25, 19, 16, 13	31, 19, 16, 13
23.45–03.00	31, 25, 19, 16	25, 19, 16
S. America:		
20.00–03.00	31, 25, 19, 16	31, 25, 19, 16

N.: 02.00, 04.30, 06.00, 07.00, 11.00, 13.00, 16.00 (Sun.–Fri.), 17.00 Sat., 18.00, 20.00, 23.00.

Home News from Britain: 07.10, 13.10, 18.10, 23.10. – **Radio Newsreel:** 00.15 (Sun.), 00.45 (W.), 06.15, 14.00, 17.15. – **From the Editorials:** 02.10, 06.10, 09.40. – **Greenwich Time-Signals:** 00.00, 02.00, 05.00, 06.00, 07.00, 08.00, 09.00, 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 20.00, 21.00, 23.00. – **Big Ben:** 00.00, 01.00, 02.00, 04.00, 05.00, 07.00, 14.00, 18.00, 23.00. – The Greenwich Time Signals and Big Ben (Full Strike) really apply to all the Overseas Services.

ANN.: "This is the General Overseas Service of the B.B.C....". – **INT.-SIG.:** Bow Bells.

SPECIAL SERVICES:

PACIFIC SERVICE: (Australia, N. Zealand)	Oct.-March m.b.	April-Sept. m.b.
08.00–08.45	19, 16, 13	
06.00–07.00		31, 25, 19

Special Programmes in English.

FAR EASTERN SERVICE: (relayed by BBC Far Eastern Station).

China and Japan		
09.00–09.30	13	16, 13
11.00–11.30	25, 16	16, 13
12.00–12.45	16, 13	16, 13
South East Asia		
09.00–09.30	13, 11	13, 11
10.30–13.45	16, 13	16, 13
14.15–14.30	16, 13	16, 13

09.00 Japanese, 09.15–09.30 English, 10.30 Indonesian, 11.00 Japanese, 11.30 Vietnamese, 12.00 Kuoyu, 12.30 Cantonese, 12.45 Malay, 13.00 English, 13.15–13.45 Thai, 14.15–14.30 Burmese.

EASTERN SERVICE:		Oct.-March m.b.	Apr.-Sept. m.b.
S. & S. E. Asia	*13.15–14.00	16, 13, 11	16, 13
[1])India, Pakistan, Ceylon	14.00–15.30	16, 13	16, 13
	**13.45–14.15	16, 13	16, 13
[1])E. Africa	14. 00–15.30	13	13
[2]) N. East	03.45–04.15	25, 19	19, 16
	04.45–05.15	25, 19	19, 16
	17.00–20.30	25, 19	19, 16
[2])E. Africa	03.45–04.15	25, 19	19, 16
	04.45–05.15	19, 16	16, 13
	17.00–20.30	19, 16	16, 13
[2])N. Africa	04.45–05.15	25	25
	17.00–20.30	31	16
[3])Israel	16.30–17.00	19, 16, 13	19, 16, 13
[4])Persia	10.00–10.15	16, 13	16, 13
	15.45–16.30	19, 16, 13	19, 16, 13

* English: "London Calling Asia". ** Tues., Wed., only (Tues.: Sinhalese; Wed.: Marathi).

[1]) **Hindi:** 14.00–14.15, 14.15–14.45 (exc. Thurs., Sat.); **Tamil:** 14.15–14.15 (Thurs.); **W. Bengali:** 14.15–14.45 (Sat.); **Urdu:** 14.45–15.15 (exc. Wed.), 15.15–15.30; **E. Bengali:** 14.45–15.15 (Wed.). – [2]) **Arabic: N.:** 04.00, 05.00, 18.00, 20.15. **"English by Radio":** 17.05 (Tues., Sat.); 19.40 (Sun., Fri.); – [3]) **Hebrew: N.:** 16.30. – [4]) **Persian: N.:** 10.00, 16.15. **"English by Radio":** 16.05 (Wed.), 16.10 (Sat., Sun.).

	Oct.-March m.b.	Apr.-Sept. m.b.
SERVICE TO E. AFRICA:		
16.45–17.00 E. (Thurs. only)	13	13
18.15–18.30 E. (Sun. and Fri. only)	13	13
SERVICE TO W. AFRICA:		
20.15–21.00 E.	19, 16, 13	19, 16, 13
SERVICE TO CENTRAL AND SOUTH AFRICA:		
16.15–16.30 E. / 16.30–16.45 Afrikaans / 16.45–17.15 E.	13	13
SERVICE TO MALTA:		
10.00–10.15 (exc. Sun., Wed., Fri.) Maltese	13, 11	13, 11
SERVICE TO FALKLAND ISLANDS:		
16.15–16.45 (Sun. only) E.	13	13
SERVICE TO W. INDIES:		
23.15–23.45 E.	25, 19, 16	19, 16
NORTH AMERICAN SERVICE:		
Canada, U.S.A., Mexico		
15.00–17.15 (Su. 15.00–16.15)	16	16
18.00–21.00 (Su. 17.00–21.00)	16	16

E.: 15.00–17.15, 18.00–18.15, 18.25–21.00. – **F.:** 18.15–18.25.

SERVICE TO ANTARCTIC:		
22.15–22.45 (Tues. fortnightly) E.	31, 25	
16.15–16.45 (Wed. fortnightly) E.	13	

LATIN AMERICAN SERVICE:
Central America
S. Caribbean Area
S. America (N. of Amazon)
Sp.: 01.00–02.30 25, 19 25, 19
P.: 23.00–00.15 25, 19 19,16
Mexico
Sp.: 01.00–02.30 25 25
South America
(S. of Amazon)
Sp.: 23.00–00.30 25, 19 19, 16
P.: 23.00–00.15 25, 19 19, 16
N.: in Sp.: 23.00, 00.00, 01.00, 02.00.
N.: in P.: 23.00, 00.00.

BBC FAR EASTERN STATION (Govt.).

ADDR.: Thomson Road Studios. P.O. Box 434, Singapore, Malaya.
Cable: Febrocast.
L.P.: Head of Service: C. P. Albany.

STATIONS: Singapore.

kc/s	m	kc/s	m	k c/s	m	kc/s	m
6110	49.10	9690	30.96	11930	25.15	15435	19.44
6175	48.58	9725	30.85	11955	25.09	17755	16.90
7120	42.13	11700	25.64	15300	19.61	17790	16.86
7260	41.32	11780	25.47	15310	19.60	17870	16.79
9560	31.38	11820	25.38	15360	19.53	17890	16.77
9625	31.17	11880	25.25	15420	19.46	21640	13.86
						21720	13.81

Prgr. A. Sce. in English:	H. of transm.:	All the year round m.b.
To N. and E. China,	09.15–11.00	16 13
Hong-Kong, Korea, Japan:	13.15–14.00	16, 13
To S. China, Vietnam	09.15–09.30	16 13
Laos Cambodia:	09.30–13.15	16, 13
	13.15–14.00	25, 19, 16
	14.00–16.35	31, 25, 19
To Indonesia:	09.15–10.30 } 11.00–11.15 }	41, 31
To Burma, Thailand:	13.00–13.15	25, 19
	13.15–14.00	25
	14.00–16.35	31, 25, 19
To India, Pakistan, Ceylon:	13.00–13.15 } 14.15–16.50 }	19, 16, 13
	13.15–14.00	13
To Australia:	13.00–13.15	31

Prgr. B (Relay of Far Eastern & Eastern Service and "London Calling Asia")

	Language:		
To Japan:	Japanese	09.00–09.15	16,13
To N. and E. China,	Japanese	11.00–11.30	13
Hong-Kong, Korea, Japan	Kuoyu	12.00–12.30	25, 19, 13
	Cantonese	12.30–12.45	25, 19, 13
To S. China, Vietnam,	Vietnamese	11.30–12.00 }	
Laos, Cambodia:	Kuoyu	12.00–12.30 }	25, 19,
	Cantonese	12.30–12.45 }	16, 13
To Indonesia:	Indonesian	10.30–11.00	41, 31
To Burma, Thailand:	Burmese	14.15–14.30	19
	Thai	13.15–13.45	31, 19
To India, Pakistan,	Hindi	14.00–14.45 a) }	
Ceylon:	Tamil	14.15–14.45 b) }	
	Bengali	14.15–14.45 c) }	13
	Urdu	14.45–15.30 d) }	
	Bengali	14.45–15.15 e) }	

a) exc. Thurs. & Sat. only until 14.15. b) Thurs. only. c) Sat. only. d) Wed. only 15.15–15.30. e) Wed. only.

ANN.: "This is the BBC Far Eastern Station, Singapore.

★ GREECE ★

Local Time: 2 h. ahead of GMT. – **Language:** Greek.

NATIONAL BROADCASTING INSTITUTE (Govt.).

(Ethnikon Idhryma Radhiophonias.)
ADDR.: 4 Righilli St., Athens, K.
L.P.: Chairman of the Adm. Board.: General Apokoritis. Dir. Gen.: J. Bettos. Dir. Prgr.: D. Romas. Dir. Tec.: B. Aslanides. Coordination and Development: H. Humphreys.

PUBLICATION: Radioprogrhramma (Greek-Weekly).

HOME SERVICE in Greek unless otherwise stated:

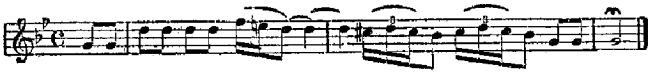
	kc/s	m	kW		kc/s	m	kW
AthensI	728	412.0	50 [3])	Comotini	1403	213.8	5 [4])
AthensII	665	451.2	15 [1])	Volos	1484	202.2	0.2[4])
AthensIII	1421	211.2	0.2[2])	Patras	1511	198.5	0.3 [4])
Salonika	1043	287.6	2 [4])	Chania	1511	198.5	5 [4])
Rhodes	1394	215.2	5 [4])	Athens	6075	49.38	5 [3])

[1]) 2' Prgr. [2]) 3' Prgr. [3]) Relay Nat. and 2' Prgr. [4]) Regional.

NATIONAL PRGR.: Wi: 05.00–08.35 (Sun. 13.30), 10.00–13.35, 15.00–22.00. Su.: 04.30–08.05 (Sun. 13.30), 10.00–13.35, 15.00–22.15. On 6075 kc/s: 10.00–13.00.
N.: 05.30 (W. Su. 05.10), 07.00(W), 11.00, 12.30(W), 20.15, 21.50, (Su. 22.00). – **N. in English:** 05.40 (W. Su. 05.20). – **Weatherrep. & Warnings to Shipping in Greek & English:** W. 08.30 (Su. 08.00), 13.30. **R. Actualities and Newsreel:** Wi: 19.15–19.45. Su. 20.30–21.00. **Religious** (Orthodox): Sun. 05.50–08.15. – **Greek Music:** Sun. 19.30–20.15. – **Greek Composers:** Mo. 15.45–16.30. – **Prgr. Preview:** At opening & closing. – **Time Sign.:** Every h. on the h.
SECOND PRGR.: D. 05.30–09.15 (Sun. 21.30), 11.00–21.30. – **N.** 18.50(W). On 6075 kc/s: 13.00–15.00.
THIRD PRGR.: D. 17.00–22.00 (serious music only).
SALONIKA: Wi: 05.00–08.35 (Sun. 13.30), 10.00–13.35, 15.00–22.15. Su.: 04.30–08.05 (Sun. 13.30), 10.00–13.35, 15.00–22.15.
RHODES: Wi: 05.00–08.35 (Sun. 13.30), 10.00–13.35, 15.00–21.00. Su.: 04.30–08.05 (Sun. 13.30), 10.00–13.35, 15.00–21.00.
VOLOS: 05.00–07.00, 10.00–13.00, 15.00–21.00.
PATRAS: 06.00–08.00 (Sun. only), 10.30–12.30, 17.00–22.15.
CHANIA: Wi: 05.00–08.35 (Sun. 13.30), 10.00–13.35, 15.00–21.00. Su: 04.30–08.05 (Sun. 13.30), 10.00–13.35, 15.00–21.00.

ANN.: Nat.: "Proghramma Ellinikou Ethnikou Dhiktiou" (Greek National Network Programme). **Second Prgr.:** "Dhefteron Proghramma" (Second Programme). **Third Prgr.:** "Triton Proghramma" (Third Programme). **Reg.:** "Edho... (Thessaloniki, Rhodos, Comotini etc.)". (This is... (Salonica, Rhodes, Comotini etc.)).

STATION-SIG.: Used in all medium wave stations of N.B.I.: "Tsopanakos imouna" ("I used to be a shepherd boy"), a folk song played on native flute and sheep bells.



INT.-SIG.: "Musical box" played on vibraphon.

F.PL.: Athens I to be increased to 150 kW. A 50 kW station Kerkyra (Corfu) regional prgr.

FOREIGN SERVICE: Athens – 7.5/5 kW.

6177 kc/s 48.56 m	9607 kc/s 31.23 m	15345 kc/s	19.55 m
7142 – 42.01 –	11718 – 25.60 –	17745 –	16.90 –
7300 – 41.10 –	11927 – 25.15 –		

D.PRGR.:	Target area	kc/s	Language	N.
W. 07.00–08.15 } Sun. 05.30–08.15 }	Cyprus	9607 } 11927 }	Greek	07.00
D. 09.00–10.00 exc. Mo.	Egypt	11927	Greek	–
D. 10.30–13.30	Cyprus	9607	Greek	–
D. 14.00–15.15	Balkans	7300	Turkish	14.00
			Yugoslav	14.15
			Rumanian	14.30
			Bulgarian	14.45
			Albanian	15.00
D. 15.30–15.45	USSR	17745	Russian	15.30
D. 16.00–17.00	N. East	9607 } 11718 }	Greek	16.00[2])
D. 17.15–17.45	N.W. Eu.	15345 } 17745 }	French English	17.15 17.30
D. 18.15–18.45	Cyprus	9607 } 11718 }	Greek	–
D. 19.00–20.00	N.W. Eu.	15345 } 17745 }	Greek	–
D. 22.00–22.30	Mediterranean	15345 17745	Greek	22.00[3])
D. 23.00–23.30[1])	Mediterranean	15345 17745	Greek	23.00[3])

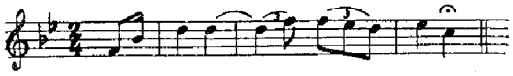
[1]) Rep. of 22.00 Prgr. [2]) Dictation. [3]) Messages to Shipping after N.
ANN.: Greek: "Edho Radiophonikos Stathmos Athinon Vracheon Kymaton". E.: "This is Radio Athens the Voice of Greece." F.: "Ici Radio Athénes la voix de la Grèce".

STATION-SIG.: See Home Service.
VER. by QSL-card or letter.

FORCES BROADCASTING STATIONS

ATHENS (Central)
ADDR.: Forces Central Radio Station, 3, Zalokostas St. Athens K.
STATIONS: 1300 kc/s 230.7 m 1 kW – 7422 kc/s 40.43 m 1 kW.
D. PRGR.: 05.00–07.30, 10.00–13.00, 15.30–22.00. **N.:** 12.00, 19.00.
ANN.: "Edho Athinae: Kendrikos Radhiophonikos Stathmos Enopion Dhynameon Helladhos" (This is Athens; The Central Radio

Station of the Greek Armed Forces). – INT.-SIG.: The main motif from the march "Greece never dies" played on trumpets



	kc/s	m	kW	
Jannina	7126	42.12	0.3	05.00–07.00, 10.00–14.30, 15.30–20.00
Kavalla	7620	39.37	0.5	05.00–07.00, 10.30–13.00, 17.00–20.00
Kozani	7950	37.74	0.5	05.00–06.00, 10.00–12.00, 17.00–21.00
Larissa	6752	44.43	0.5	05.00–07.00, 10.00–13.00, 16.30–21.00
Salonika	1006	298.2	1	05.00–07.00 (Sun. 08.30),
	7000	42.86	0.4	10.00–12.30, 15.00–21.00
Tripolis	6270	47.86	0.5	05.30–06.30, 10.00–12.00, 17.00–20.00

PRIVATE BROADCASTING STATIONS

Chios	6590 kc/s	45.42 m	0.1 kW	17.00–20.30
Heraklion (Candia)	6480 –	46.30 –	0.06 –	17.00–21.00
Karpenission	6525 –	46.00 –	0.3 –	17.00–21.00
Megara	1186 –	253.0 –	0.06 –	05.30–07.00, 10.30–12.30
Mytilini	6240 –	48.07 –	0.1 –	17.00–20.30

VOICE OF AMERICA RADIO STATION IN GREECE

ADDR.: Voice of America, Washington 25, D.C., U.S.A.
STATIONS:
Madium Wave: Salonika-A 791 kc/s 379.2 m 50 kW 10.00–13.30, 15.30–22.30.
Short Wave: Salonika 35kW 15.00–22.30.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6015	49.88	7260	41.32	11845	25.33	15195	19.74
6155	48.74	9530	31.48	11895	25.22	15315	19.59
7205	41.64					17720	16.93

DAILY PRGR.: Medium Wave.

08.15–10.00 Greek (R. Athens) (Sun. only)	18.30–19.00 Albanian
10.00–13.30 Greek (R. Athens)	19.00–19.30 Serbo-Croat
15.30–17.00 Greek (R. Athens)	19.30–20.00 Bulgarian
17.00–17.30 Greek	20.00–20.30 Rumanian
17.30–18.00 Bulgarian	20.30–20.45 Greek
18.00–18.15 Bulgarian	20.45–21.15 Hungarian
18.15–18.30 Rumanian	21.15–22.15 Greek (R. Athens)
	22.15–22.30 Serbo-Croat

Short Wave: See. U.S.A.
ANN.: "This is the Voice of America Radio Station in Salonika."
VER. by QSL-card.

VOICE OF AMERICA SEABORNE RADIO STATION DODECANESE ISLANDS

Seaborne Radio Station aboard U.S.C.G.C. "COURIER", currently located at the Island of Rhodes.
ADDR.: Voice of America, Washington 25, D.C.
STATIONS:
Medium Wave: Courier-A 1259 kc/s 238.3 m 150 kW 04.00–08.00, 14.00–23.00.
Short Wave: Courier 35 kW 04.00–08.00, 14.00–23.00.
6185 kc/s 48.50 m – 7125 kc/s 42.11 m – 7215 kc/s 41.58 m – 11760 kc/s 25.51 m – 15195 kc/s 19.74 m.
DAILY PRGR.: Medium Wave:

04.00–08.00 Arabic	21.00–21.15 Turkish
14.00–16.00 Arabic	21.15–21.30 Georgian
16.00–17.30 Persian	21.30–22.00 Armenian
17.30–18.00 Turkish	22.00–22.30 Bulgarian
18.00–18.30 Persian	22.30–23.00 Rumanian
18.30–21.00 Arabic	

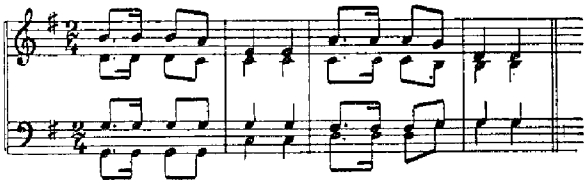
Short Wave: See U.S.A.
ANN.: "This is the COURIER, sea-borne radio station of the Voice of America." – VER. by QSL-card. No return postage required.

★ GREENLAND ★

GROENLANDS RADIO (Govt.).
Ministry of State, Greenland-Dept., Torvegade 1, Copenhagen.

GODTHAAB RADIO

ADDR.: Grønlands Radiofoni, Godthaab. – Cable: Radiopress, Greenland.
L.P.: Chief-Editor: P. R. Brandt.
STATIONS: OXI 633 kc/s 475 m 1 kW – 9526 kc/s 31.50 m 1 kW.
D. PRGR.: D. 21.00–01.00. Sun.: 12.00–13.00, 15.00–16.30, 22.00–10.00. Occasionally religious service Sun. 13.00–14.00 or 19.00–20.00. Prgr. consists of **Weather Reports, News and Ships Positions in Greenlandic and Danish. Language Lessons, Talks, Outside Broadcasts, Music, Entertainments.**
ANN.: "Grønlands Radio, Godthaab" in Danish and Greenlandic. – INT.-SIG.: Greenlandic Song "Sonja Kaligpok".



ANGMAGSSALIK RADIO

ADDR.: Angmagssalik Radiostation, Angmagssalik.
STATION: OZL 1500 kc/s 200 m 7570 kc/s 39.63 m 0.5 kW.
D. PRGR.: W. 14.00–14.50. News, Weather and Ship's Positions in Danish and Greenlandic. Records.
ANN. in Danish: "Goddag. Her er Angmagssalik med de danske nyheder". – VER. by letter. Reports should be sent to the resp. stations in Greenland. Return postage is required.

US. ARMED FORCES RADIO STATIONS (Air Force)

KOLD	Thule Airport	1425 kc/s	210.5 m	1 kW	11.00–05.00

ADDR.: APO 23, c/o PM, New York, N.Y. U.S.A. – VER. by QSL-card.

WXLS	Narsarssuak	850 kc/s	352.9 m	1 kW
WXLS	Söndreström	1420 –	211.3 –	0.25 –

★ HOLLAND ★

Local Time: 1 h. ahead of GMT. – **Language:** Dutch.

HOME SERVICE:

ADDR.: Stichting Nederlandsche Radio-Unie, The Dutch Radio Union, Postbox 150, Hilversum. – Cable: Radiounie.
The Dutch Programmes for Home are provided by the following broadcasting societies:
A.V.R.O.: Algemeene Vereeniging Radio-Omroep. Head-office: Keizersgracht 107, Amsterdam. Studio's: 's Gravelandseweg 52, Hilversum. Chairman: Jhr. Th. Röell. Vice-Chairman: Prof. Dr. J. H. Tuntler. Secretary: H. A. Wassenbergh LL.D., Treasurer: E. A. Timmer. Man. Dir.: D. Repko.
K.R.O.: Katholieke Radio-Omroep, Emmastraat 52, Hilversum. Chairman: Prof. Dr. J. B. Kors O.P. Secretary: L. P. N. A. Bouwman. Treasurer: C. Burger. Man. Dir.: Drs. A. J. J. v. d. Made.
N.C.R.V.: Nederlandsche Christelijke Radio Vereeniging, Schuttersweg 8, Hilversum. Chairman: A. B. Roosjen LL.D. Secr.-Treasurer: C. A. Keuning. Man. Dir.: A. H. v. d. Veen LL.D.
V.A.R.A.: Vereniging van Arbeiders Radio-Amateurs, Heuvellan 33–35, Hilversum. Chairman: J. A. W. Burger LL.D. Secr.-Treasurer: J. W. Lebon. Prgr. Secr.: J. B. Broeksz. Secretary: J. W. Rengelink.
V.P.R.O.: Vrijzinnig Protestantsche Radio-Omroep, 's Gravelandseweg 65, Hilversum. Chairman: Dr. J. A. de Koning. Secretary: Dr. E. D. Spelberg. Treasurer: Ir. K. Kooy.
CENTRAL ADDRESS for programme publication: Centraal Bureau voor den Omroep in Nederland, Postbox 52, Hilversum.
L.P. of the Nederlandsche Radio-Unie: Chairman: Prof. Dr. J. B. Kors O.P. Secretary: J. W. Lebon. Treasurer: Jhr. Th. Röell. Members: J. B. Broeksz, Dr. J. A. de Koning, Drs. A. J. J. v. d. Made, D. Repko, A. B. Roosjen LL.D., A. H. v. d. Veen LL.D.

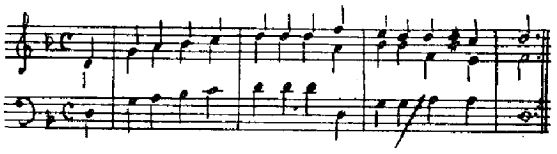
HOME SERVICE

STATIONS:
Hilversum I: 746 kc/s 402.1 m 120 kW – II: 1007 kc/s 297.9 m 120 kW.
Relay transmitters:
Hengelo–Hoogezand–Hulsberg: 1594 kc/s 188.2 m total 5 kW.
FM-stations:

Hoogezand	91.8 mc/s	5 kW	Irnsum	88.2 mc/s	15 kW
	94.9 –	15 –		96.0 –	15 –
Hulsberg	95.1 –	5 –			
	97.5 –	5 –			

D. PRGR.: Hilversum I: 06.00–23.00 – **Hilversum II:** 06.00–23.00.
News 1st and 3rd quarter.
Hilversum I: 06.00 (W.), 07.00, 12.00, 17.00 (W.), 17.15 (Sun.), 19.00, 22.00.
Hilversum II: 06.00 (W.), 07.00, 08.30 (Sun.), 12.00, 18.00 (W.), 18.30 (Sun.), 22.00.
News in 2nd and 4th quarter:
Hilversum I: As Hilversum II. Hilversum II: As Hilversum I.

INT.-SIG.: A tune from "Valerius Gedenckklanck": "O Nederland, let op u saeck, de tyt en stont is daer".



FOREIGN SERVICE

RADIO NEDERLAND WERELDOMROEP (non comm.).

ADDR.: Radio Nederland, P.O. Box 137, Hilversum, The Netherlands. **Main Office:** 's-Gravelandseweg 76, Hilversum. – **Cable:** "Mundivox".

L.P.: Dir. Gen.: H. J. van den Broek. Dir. Adm.: C. J. Strop. Chief Central Prgr. Sce.: J. W. Acda. Chief N. Sce.: Dr. J. W. Niessink. Chief Dutch Sce.: H. J. P. J. van Eijndhoven. Chief International Sce.: F. Thors. Chief Transcription Sce.: J. E. ter Haar. Producer "Happy Station"-prgr.: Edw. Startz. Chief Technical Sce.: V. J. de Grijs.

STATIONS: Lopik WO1 50 kW. – Lopik WO2 100 kW. – Lopik WO3 100 kW. – Lopik WO4 100 kW*). – Kootwijk 117 15 kW.

*) ready in the course of 1957.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6025	49.79	9745	30.78	15220	19.71	17775	16.88
9590	31.28	11730	25.58	15365	19.52	17840	16.82
9715	30.88	11950	25.10	15425	19.45	21480	13.96

All frequencies are operated by 100 kW Lopik transmitters, exc. 21480 and 6025 kc/s, which are regularly operated on 50 kW. Frequency 15425 kc/s is also operated on the Kootwijk 117 transmitter 15 kW.

D. PRGRS.:

h. of tr.	Sce. beamed to	Period of Year 1st per.[1]) m. b.	2nd per.[2]) m. b.
Afrikaans:			
W. 17.30–18.00	S.Af	19–25	13–16–19
Arabic:			
W. 16.30–17.25	ME, NAf	13–16–19	13–16–19
Dutch:			
W. 09.45–11.45	Au, NZ, NG	13–16–19	13–16–19
Sun. 08.30–10.25	In, Af	13–16–19–49*)	13–16–19–49*)
W. 13.00–15.00[3]) } Sun. 13.00–15.50 }	In	13–16–19	13–16–19
W. 18.00–20.00 } Sun. 18.00–21.00 }	Af, Eu	19–25–49*)	16–19–49*)
W. 22.30–23.00	Ca	19–25–31	16–19–25
W. 23.05–01.30 } Sun. 23.00–02.00 }	NAn, Su	19–25–31	16–19–25
English:			
D. exc. Mo. 02.30–03.10	NAm, NZ	25–31	19–25–31
W. 09.00–09.40	Au, NZ	13–16–19	13–16–19
W. 15.45–16.25	SAs, Af	13–16–19	13–16–19
W. 21.45–22.25	Eu, NAm	19–25–31	16–19–25
Indonesian:			
D. 12.00–13.00	In	13–16–19	13–16–19
Spanish:			
D. exc. Mo. 01.45–02.25	SAm	19–25–31	16–19–25
D. exc. Mo. 03.15–03.55	CAm	25–31	19–25–31
W. 20.45–21.25	Sp	25–31–49	25–31–49
Happy Station:			
Sun. 10.30–11.58	FE, Au, NZ	13–16–19–49*)	13–16–19–49*)
Sun. 16.00–17.30	ME, Af, Eu	13–16–19	13–16–19
Sun. 21.30–23.00	SAm, Sp	19–25–31	16–19–25
Mo. 02.30–03.55	NAm, NZ	25–31	19–25–31

*) 49 m.b. for Eu. only. – [1]) 1st per.: Oct.-April. – [2]) 2nd per.: May-Sept. – [3]) Tuesd.: 13.00–15.20. Fri. and every first and third Thurs. of the month: 13.00–15.25.

AFRIKAANS:
1st per.: 15425, 11950, 6025 – 2nd per.: 21480, 17775, 15425, 6025 kc/s.
National Music: D. 17.34–18.00. – **N.:** D. 17.31. – **Commentary:** 17.44 (Mo., Fri., Thurs.), 17.34 (Fri., Sat.). – **Mailbag:** 17.36–17.56 (Sat.).

ARABIC:
1st per., 2nd per.: 21480, 17775, 17840, 15425 kc/s. – **N., Commentary:** W. 16.32–16.40. – **Mailbag:** 16.50–17.05 (Fri.).

DUTCH:
1st per.: (A) Au, NG, NZ 21480, 17775, 15425, 15220. – (B) In 21480, 17775, 15425, 15220. – (C) Eu, Af 15425, 11950, 6025*). – (D) Ca 15425, 15220, 11730, 9590. – (E) NAn, Su 15425, 15220, 11730, 9590.
2nd per.: (A) Au, NG, NZ 21480, 17775, 15425, 15220. – (B) In 21480, 17775, 15425, 15220. – (C) Eu, Af 17775, 15425, 15220, 6025*). – (D) Ca 17775, 15425, 11730, 11950. – (E) NAn, Su 17775, 15425, 11730, 11950.
*) for Europe only.
National Music: The Amsterdam Concertgebouw Orch. (Ann. in Du., E., Sp.): (B) 14.00–15.00 (Sun.). – (C) 19.00–20.00 (Sun.). – (E) 00.00–01.00 (Mo.).
N., Commentary):** D. (A) 09.45–10.45. – (B) 13.00–13.20. – (C) 18.00–18.20. – (D) 22.30–22.35. – (E) 23.05–23.25.
**) Alternating with U.N. Comm.
Mailbag: Thurs. fortnightly. (A) 10.45–10.57. – (B) 14.00–14.13. – (C) 19.00–19.13. – (D) 22.46–22.58. – (E) 00.00–00.13 (Fri. only).
Prgr.-Previews: Sat.: (A) 11.31–11.35. – (B) 14.46–14.50. – (C) 19.46–19.50. – Sun. (E) 01.15–01.19.

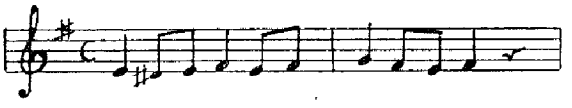
ENGLISH:
1st per.: (A) Au, NZ 21480, 17775, 15425, 15220. – (B) SAs, Af 21480, 17840, 17775, 15425. – (C) Eu, NAm 15425, 11950, 9715, 9590. – (D) NAm 11950, 9590, 9715.
2nd per.: (A) Au, NZ 21480, 17775, 15425, 15220. – (B) SAs, Af 21480, 17775, 15425, 15220. – (C) E, NAm 17775, 15425, 11950. – (D) NAm 15425, 11950, 9715, 9590.
National Music (The Netherlands Composers): Wed. (A) 09.10–09.30. (B) 15.55–16.15. – (C) 21.55–22.15. – Thurs. (D) 02.40–03.00 (The Amsterdam Concertgebouw Orch.: see: Language Dutch.).
N., Commentary: W.: (A) 09.00–09.10. – (B) 15.45–15.55. – (C) 21.45–21.55. – D. exc. Mo. (D) 02.30–02.40.
Mailbag: Thurs. fortnightly: (A) 09.25–09.40. – (B) 16.10–16.25. – (C) 22.10–22.25. – Fri. (D) 02.55–03.10.
Prgr.-Previews: Sat. (A) 09.35–09.40. – (B) 16.20–16.25. – (C) 22.20–22.25. – Sun. (D) 03.05–03.10.

INDONESIAN:
1st per., 2nd per.: 21480, 17775, 15425, 15220 kc/s.
National Music. The Amsterdam Concertgebouw Orch.: Sun. 12.14–12.42. – **N., Commentary:** Sun. 12.02–12.07, W. 12.02–12.10. – **Mailbag:** Sun. 12.42–12.52. – **Prgr.-Previews:** Sat. 12.55–12.58.

SPANISH:
1st per.: (A) Sp. 11730, 11950, 9715, 9590. – (B) SAm 15425, 11950, 9715. – (C) CAm 11730, 11950, 9715.
2nd per.: (A) Sp 15425, 11950, 11730, 9715. – (B) SAm 17775, 15425, 11950, 11730. – (C) CAm 15425, 11950, 9715, 9590.
National Music (Netherlands Composers): Wed. (A) 21.15–21.40. – Thurs. (B) 02.00–02.25. – (C) 03.30–03.55. The Amsterdam Concertgebouw Orch.: see: Dutch. – **N., Commentary:** W. (A) 21.00–21.10. – D. exc. Mo. (B) 01.45–01.55. – (C) 03.15–03.25. – **Mailbag:** Tues. fortnightly: (A) 21.10–21.30. – Wed. (B) 01.55–02.15. – (C) 03.25–03.45. – **Prgr.-Previews:** Sat. (A) 21.35–21.40. – Sun. (B) 02.20–02.25. – (C) 03.50–03.55.

PRODUCTION "HAPPY STATION":
1st per.: (A) FE, Au, NZ 21480, 17775, 15425, 15220, 6025*). – (B) ME, Af, Eu 21480, 17775, 15425. 6025*). – (C) Sp, Port, SAm 15425, 11950, 11730, 9715. – (D) NAm 11950, 11730, 9715, 9590.
2nd per.: (A) FE, Au, NZ 21480, 17775, 15425, 15220, 6025*). – (B) ME, Af, Eu 21480, 17775, 15425, 6025*). – (C) Sp, Port, SAm 17775, 15425, 11950, 11730. – (D) NAm 15425, 15365, 11950, 11730.
*) for Europe only.
Selection of wavelengths subject to periodical changes! These 4 Sunday programmes, produced and presented by Edward Startz, are of 90 minutes duration, consisting of: Musical entertainment linked by polyglot announcements. They are usually supplemented by features of universal interest. Special programmes in Spanish and Portuguese for the Latin countries. "Mailbag" answering listeners' mail by calls to all parts of the globe. From its inception in 1928 – with exception of the war years – 1957 marks the 29th year of the "Happy Station"s round the world broadcasting.
The "Happy Station" programmes are on the air every Sunday at the following times:
Sun. 10.30–11.58 (A) to FE, Au, NZ.
Sun. 16.00–17.30 (B) to ME, Af, Eu.
Sun. 21.30–23.00 (C) to Sp, Port, SAm.
Mo. 02.30–03.55 (D) to NAm.

ANN.: Dutch: "Hier Radio Nederland in Hilversum". E.: "This is the International Service of Radio Nederland in Hilversum, Holland". In. "Disini Hilversum, Siaran Indonesia Radio Nederland". – Sp.: "Aqui Radio Nederland de Hilversum, Holanda". – Arabic: "Huna Hilversum – al-idha'atu'l hulandiya bi'l-lughati'l-Arabiya –".
GENERAL INT.-SIG.: Old Dutch folk-song called: "Merk toch hoe sterck" played on carillon or celesta on all frequencies



VER. by letter or QSL-card. – **PUBLICATIONS:** Prgr. bulletins in Dutch, E., Sp., Afrikaans, Arabic and In. are sent free of charge on application. – **F.PL.:** In the course of 1957 the accomplishment of the new transmitting station is expected consisting of three 100 kW transmitters and one 50 kW with an extensive antenna-system. A part of it is already in operation.

TRANSCRIPTION SERVICE. A free service to foreign stations. Issues complete programmes about Holland, both informative and musical.

FOTO-MATERIAL: Typical Dutch scenes are described for Radio Nederland's foreign broadcasts.

★ HUNGARY ★

Local Time: 1 h. ahead of GMT. – Language: Hungarian.

MAGYAR RADIO (Govt.).
ADDR.: Brody Sandor-u 5-7, Budapest VIII.
L.P.: Pres. Valérie Benke. Dep. Pres.: Dr. Laszlo Hartoi. Dir. Prgr.: György Sandor. Chief-Eng.: Dr. Ivan Földi. Editor of "Magyar Radio": Bela Lévai. Chief Intern. Dept.: Miss Magda Solymár.

HOME SERVICE:

	kc/s	m	kW	h. of tr.
R. Kossuth	539	556.5	135	03.30–23.22
R. Petöfi	872	344	135	06.00–10.30, 13.00–23.00
Magyarovar	1340	223.8	5	Relay, Regional
Miskolc	1340	223.8	5	Relay, Regional
Pecs	1340	223.8	5	Relay, Regional

R. Kossuth: N.: W.: 04.00, 05.00, 06.00, 09.00, 11.00, 14.00, 16.00, 19.00, 21.00, 23.00. Sun.: 06.00, 07.00, 11.00, 14.30, 19.00, 21.00, 22.00.
R. Petöfi: N.: W.: 15.00, 15.50. Sun. 19.20. – Mailbag: Tues. 15.30, Fri. 18.25.

ANN.: "Kossuth Radio, Budapest". – "Petöfi Radio, Budapest".

FOREIGN SERVICE

Szabadsag 1187 kc/s 252.7 m 135 kW – Nyiregyhaza 1250 kc/s 240 m 135 kW. Short Wave: 100 kW.
6248 kc/s 48.02 m – 7220 kc/s 41.55 m – 9833 kc/s 30.51 m
11910 – 25.19 – –
Winter Service: October to May. – Summer Service: From May to October the 25 m.b. replaces the 48 m.b. throughout.

EUROPEAN SERVICE:

English:	kc/s
20.00–20.30	7220, 6248
21.30–22.00	9833
22.00–22.30	7220, 6248

Finnish:	
16.30–17.00	9833
17.30–18.00	1250
21.30–22.00	7220, 6248

French:	
18.00–18.30	1187
20.00–20.30	9833, 1187

German:	
16.00–16.30*)	9833, 1187
18.30–19.00**)	1250
20.30–21.00	6248, 1187
21.00–21.30**)	1187

*) Music.
**) for Austria.

Greek:	kc/s
17.00–17.30	9833, 1250
18.00–18.30	9833

Hungarian (to Eu.):	
18.30–19.00	9833, 7220, 6248, 1187
21.00–21.30	7220, 6248
22.00–22.30	1187

Italian:	
17.30–18.00	9833, 1187
21.30–22.00	1187

Spanish:	
01.30–02.00	9833
17.00–17.30	6248
20.30–21.00	9833, 7220
22.15–22.45	9833

Turkish:	
16.30–17.00	6248, 1187
17.30–18.00	6248

NORTH AMERICAN SERVICE: on 6248, 7220, 9833 kc/s.
English: 00.30–01.00, 04.00–04.30. Hungarian: 01.00–01.30, 04.30–05.00.

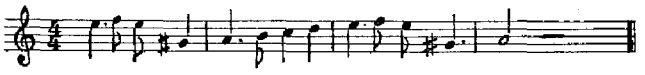
SPECIAL FOREIGN BROADCASTS

Music Prgr.:

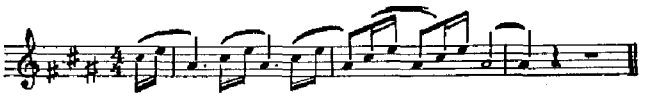
Sunday:		
05.00–05.30	N. America[1])	9833, 7220, 6248
11.00–11.30	Gt. Britain	9833
11.30–12.00	Turkey	9833, 1187
12.00–12.30	Finland	9833, 7220, 1187
12.30–13.00	Greece	9833
13.00–13.30	Spain	9833, 7220
13.30–14.00	France	9833, 1187
14.00–15.00	[2])	9833, 7220, 1187
15.30–16.00	Italy	9833
16.00–16.30	Gt. Britain	9833
17.00–17.30	Turkey	1187
21.00–21.30	Austria	9833
22.00–22.30	Austria	1250
22.30–23.00	N. America	7220, 6248
Monday:		
17.00–17.30	Austria	1187
21.00–21.30	Spain	9833
22.30–23.00	N. America[1])	7220, 6248
Tuesday:		
05.00–05.30	N. America[1])	9833, 7220, 6248
21.00–21.30	Austria	9833
22.30–23.00	N. America	7220, 6248
Wednesday:		
17.00–17.30	Italy	1187
21.00–21.30	Gt. Britain	9833
22.00–22.30	Austria	1250
22.30–23.00	N. America[1])	7220, 6248
Thursday:		
05.00–05.30	N. America[1])	9833, 7220, 6248
21.00–21.30	France	9833
Friday:		
21.00–21.30	Greece	9833
Saturday:		
15.30–16.00	Turkey	9833, 7220, 6248
17.00–17.30	France	1187
22.00–22.30	Italy	1250
22.30–23.00	N. America[1])	7220, 6248

[1]) announced in Hungarian. – [2]) Requests from abroad to relatives in Hungary.
Children's Prgr.: In Italian: Sun. 10.30–11.00. In French: Thurs. 12.30–13.00 on 9833 kc/s. – Sports Prgr.: in Turkish: Mo. 17.30–18.00 on 7220, 6248 kc/s. In English: Sat. 21.00–21.30 on 9833 kc/s.

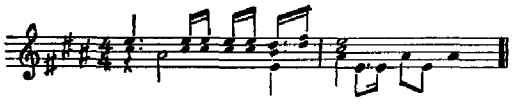
INT.-SIG.: R. Kossuth:



R. Petöfi:



Foreign Service:



VER. by QSL-card. – Publication: "Magyar Radio", weekly. "Musical Programme", annually.

★ ICELAND ★

Local Time: 1 h. behind GMT. (Su=GMT). – Language: Icelandic.

ICELAND STATE BROADCAST SERVICE RIKISUTVARPID (Govt.).
ADDR.: Box 120, Reykjavik. – Cable: Utvarp.
L.P.: Dir. Gen.: Volhjálmur Th. Gislason. Chairman of Prgr.: Council: Magnus Jonsson. Dir. Prgr.: Andres Bjørnsson. Dir. Adm.: Sigurdur Thordarson. Chief-Eng.: Stefan Bjarnason.

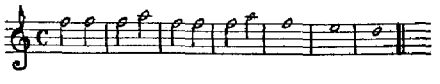
HOME SERVICE:
09.00–10.00, 13.00–14.15, 16.30–17.30, 19.30–24.00.

	kc/s	m	kW	
Reykjavik TFU	182	1648	100	N.: 09.30, 13.25, 16.55, 19.00, 21.00
Eidar TFE	611	491	5 [1])	N.: 09.30, 13.25, 16.55, 19.00, 21.00
Hoefn	665	451.2	1 [1])	N.: 09.30, 13.25, 16.55, 19.00, 21.00
Akureyri	737	407.1	5 [1])	N.: 09.30, 13.25, 16.55, 19.00, 21.00

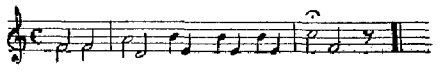
[1]) Rel. TFU.

FOREIGN SERVICES in Icelandic:
Reykjavik TFJ 12175 kc/s 24.64 m 7 kW: Sun. 16.15–16.30 to No. Eu.

ANN.: "Utvarp Reykjavik". – INT.-SIG.: Home Service:



Foreign Service:



VER. by QSL-card. Postage requested.
AFRTS (Air Force): KEFLAVIK Airport TFK 1484 kc/s 0.25 kW: W. 07.30–01.00. Sun. 09.00–24.00.

★ IRELAND ★

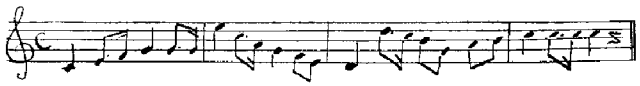
Local Time: GMT (Su.: 1 h. ahead of GMT.). – **Language:** Irish, English.

RADIO EIREANN (Govt.).
ADDR.: General Post Office, Dublin. – **Cable:** Radio Eireann.
L.P.: Chairman Radio Eireann Council: Charles L. Brennan. Dir. Broadc.: Maurice Gorham. Controller of Prgr.: Robert Farren. Adm.: Matthew Doherty. Chief-Eng.: John O'Keeffe.

HOME SERVICE: W.: 08.00–09.15, 13.00–14.30, 17.00–23.30. Sun.: 10.25–11.15, 12.30–23.30.
Athlone 566 kc/s 530 m 100 kW – Dublin 1250 kc/s 240 m 5 kW
Cork 1250 – 240 – 5 –

N.: in E.: 08.00 (W.), 09.00 (W.), 13.30 (W.), 18.30, 22.15. – **N.: in Irish:** 18.01, 22.00 (W.). – **Weatherrep.:** after all news bulletins and Sun. 10.25. – **Time-Sig.:** 08.00, 13.00, 17.30, 18.00, 18.30, 22.30. – **Religious Prgr.:** Sun. 10.30–11.15 (High Mass). – **Irish Music:** Sat. 20.30–21.00. – **Request:** Wed.: 13.00–13.30, 13.45–14.30 (for hospitals).

ANN.: "Radio Eireann". – INT.-SIG.: Musical Box playing 4 bars of Irish Air "O Donnell Abu". – VER. by letter.



★ ITALY ★

Local Time: 1 h. ahead of GMT. – **Language:** Italian.

RAI – RADIOTELEVISIONE ITALIANA
(State Service granted by public act to RAI).
ADDR.: Via del Babuino 9, Roma. – **Cable:** "Raidirro".
L.P.: Pres.: Prof. Antonio Carrelli. Vice Pres.: Avv. Attilio Pacces, Hon. Luigi Bennani. Man. Dir.: Ing. Marcello Rodino. Dir. Gen.: Dr. Rodolfo Arata. Vice Dir. Gen.: Dr. Marcello Bernardi. General Secretary (Dir. Foreign Rel.): Dr. Gian Franco Zaffrani. Dir. Adm.: Dr. Bruno Vasari. Dir. Prgr. (Radio): Maestro Giulio Razzi. Subdir. of Prgr. (Radio): Maestro Mario Labroca. Dir. Prgr. (TV): Dr. Sergio Pugliese. Dir. Radio News: Dr. Antonio Piccone Stella. Tec. Dir. (Radio): Eng. Gino Castelnuovo. Dir. Tec. (TV): Eng. Sergio Bertolotti. Co-Dir. Gen. Aff.: Dr. Luigi Beretta, Avv. Enzo Turco. Chief Pers.: Dr. Pier Antonio Milone. Directors "Radiocorriere": Eng. Vittorio Malinverni, Dr. Eugenio Bertuetti.

HOME SCE.: No powers indicated owing to pending changes.

NATIONAL PROGRAMME: W.: 06.00–08.00, 10.00–13.30, 15.30–23.00. Sun. 05.45–23.00.

	kc/s	m		kc/s	m
Caltanissetta 1	566	530.0	Pescara 1		225.4
Bolzano 1	656	457.3	Roma 1		225.4
Firenze 1		457.3	Udine 1		225.4
Napoli 1		457.3	La Spezia 1	1484	202.2
Torino I		457.3	Potenza 1		202.2
Venezia 1		457.3	Verona 1		202.2
Trieste 1	818	366.7	Ancona 1	1578	190.1
Milano 1	899	333.7	Brindisi 1		190.1
Cagliari 1	1061	282.8	Carrara 1		190.1
Bari 1	1331	225.4	Catanzaro 1		190.1
Bologna 1		225.4	Cosenza 1		190.1
Catania 1		225.4	Lecce 1		190.1
Genova 1		225.4	Perugia 1		190.1
Reggio C 1		225.4	Taranto 1		190.1
Palermo 1		225.4	Terni 1		190.1
Autonomous: (In Slovene)			**Short Waves:**		
Trieste A.	980	306.1	Caltanissetta	6060	49.50
			Caltanissetta	9515	31.53

FM:	mc/s		mc/s		mc/s
Montevenda I	88.1	Sondrio I	88.3	M. Serpeddi	88.7
Mon. S. Angelo (Gargano) I	88.3	M. Serra I	88.5	M. Favone	88.9
		Paganella I	88.6	Martina Franca	89.1
Napoli I	89.3	Calle Visentin I	91.9	Palermo I	94.9
Genova I	89.5	Como I	92.2	Plateau-Rosa I	94.9
Roma I	89.7	C. d'Ampezzo	92.5	Bolzano I	95.1
M. Bignone I	90.6	Aosta I	93.5	Campo Catino	95.3
Bologna I	90.9	M. Beigua I	93.9	S. Cervone I	95.3
Bellagio I	91.1	M. Faito I	94.1	M. Peglia I	95.7
Trieste I	91.3	M. Penice I	94.2	C. Imperatore I	97.1
Premeno I	91.7	Pescara I	94.3	Torino I	98.2

N.: 06.00, 07.00, 12.00, 13.00, 19.30, 22.15, 23.00. – **Time-Sig.:** 06.00 (W), 07.00, 12.00, 19.30, 23.00. – **Weatherrep.:** 07.00, 12.00. – **Religious:** Sun. 06.30 (Evangelic), 08.00, 08.30, 08.45 (Catholic-N.). – **Language Lessons:** 05.45–06.00. French: Mo., Thurs. English: Tues., Fri. German: Wed., Sat. (These lessons will last from October to June), Spanish & Portuguese lessons will take their place in July, Aug., Sept. Spanish: Mo., Wed., Fri. Portuguese: Tues., Thurs., Sat. – **Stock Exchange:** W. 12.00. – **Opera, Lyric, Music:** Mo. 20.00, Wed. 20.00. Sat. 16.30. – **Symphony:** Sun. 16.30, Fri. 20.00.

SECOND PRGR.: W.: 08.00–10.00, 12.00–22.30. Sun.: 07.30–11.00, 12.00–22.30.

	kc/s	m		kc/s	m
Roma 2	845	355	Trieste 2		202.2
Synchronized Group:			Agrigento 2	1578	190.1
Genova 2	1034	290.1	Alessandria 2		190.1
Milano 2		290.1	Aquilla 2		190.1
Napoli 2		290.1	Arezzo 2		190.1
Pescara 2		290.1	Ascoli Piceno 2		190.1
Venezia 2		290.1	Belluno 2		190.1
Aosta 2	1115	269.1	Benevento 2		190.1
Bari 2		269.1	Biella 2		190.1
Bologna 2		269.1	Bressanone 2		190.1
Messina 2		269.1	Brunico 2		190.1
Pisa 2		269.1	Campobasso 2		190.1
Ancona 2	1448	207.2	C. D'Ampezzo 2		190.1
Cagliari 2		207.2	Como		190.1
Caltanissetta		207.2	Cuneo 2		190.1
Catania 2		207.2	Foggia 2		190.1
Firenze 2		207.2	Merano 2		190.1
Palermo 2		207.2	Potenza 2		190.1
Sanremo 2		207.2	Salerno 2		190.1
Sassari 2		207.2	Savona 2		190.1
Torino 2		207.2	Siena 2		190.1
Udine 2		207.2	Sondric 2		190.1
Bolzano 2	1484	202.2	Teramo 2		190.1
Avellino 2		202.2	Trento 2		190.1
Catanzaro		202.2	Verona 2		190.1
Cosenza		202.2	Vicenza 2		190.1
Gorizia 2		202.2			

Short Wave: Palermo 7175 kc/s 41.81 m.

FM:	mc/s		mc/s		mc/s
M. Venda II	89.9	Franca II	93.1	Premeno II	96.1
M. Serra II	90.5	Calle Visentin II	93.1	Pescara II	96.3
Sondrio II	90.6	Belaggio II	93.2	M. Beigua II	96.7
M. Sant' Angelo II	90.7	M. Bignone II	93.2	Palermo II	96.7
Paganella II	90.7	Trieste II	93.5	Plateau-Rosa II	96.9
M. Serpeddi II	90.7	Cortina-d'Ampezzo II	94.7	Bolsano II	97.1
M. Favone II	90.9	Bologna II	93.9	Campo-Catino II	97.3
Maranza II	91.1	Genova II	94.9	S. Cerbone II	97.3
Napoli II	91.3	C. Imperatore II	95.1	M. Penice II	97.4
Roma II	91.7	Como II	95.3	Aosta II	97.6
Torino II	92.1	Milano II	95.9	M. Penice II	97.4
Martina-		M. Faito II	96.1		

N.: W: 12.30, 14.00, 17.00, 19.00, 21.00 (approx.). Sun.: 12.30, 19.00. – **Weatherrep.:** W. 14.00. – **Time-Sig.:** W.: 14.00, 19.00. Sun. 19.00. – **Opera, Lyric Music:** Tues. 16.00, Sat. 20.00. – **Symphony:** Thurs. 21.00.

THIRD PRGR.: W. 18.00–23.00. Sun.: 13.30–17.30, 18.00–23.00.

	kc/s	m		kc/s	m
Bari 3	1367	219.5	Palermo 3		219.5
Bologna 3		219.5	Roma 3		219.5
Bolzano 3		219.5	Torino 3		219.5
Catania 3		219.5	Venezia 3		219.5
Firenze 3		219.5	Verona 3		219.5
Genova 3		219.5	Livorno 3	1578	190.1
Messina 3		219.5	Pisa 3		190.1
Milano 3		219.5	Trieste 3		190.1
Napoli 3		219.5	**Short Wave:**		
			Roma	3995	75.09

FM:	mc/s		mc/s		mc/s
M. Venda III	89	Calle		Palermo III	98.9
Bologna III	90.9	Visentin III	95.5	Campo Impe-	
Genova III	91.9	Torino III	95.6	ratore III	99.1
M.S.Angelo III	92.3	Bologna III	96.1	Premeno III	99.1
Paganella III	92.7	Trieste III	96.3	Plateau-	
M. Serpeddi III	92.7	Bellagio III	96.7	Rosa III	99.1
M. Serra III	92.9	Cortina-		Campo	
M. Favone III	92.9	d'Ampezzo III	96.7	Catino III	99.3
Milano III	93.7	M. Bignone III	97.5	S. Cerbone III	99.3
Roma III	93.7	M. Faito III	98.1	Bolzano III	99.5
Sondrio III	95.2	Como III	98.2	M. Peglia III	99.7
Martina-		Pescara III	98.3	Aosta III	99.7
Franca III	95.5	M. Beigua III	98.9	M. Penice III	99.9

N.: W.: 20.00. – **Opera, Lyric:** Sun. 20.20. – **Symphony:** D. 19.15–20.00 (Sat. 20.30).

NIGHT PROGRAMME ("Notturno dall' Italia").

Roma 2 845 kc/s 355m 150 kW. D. 22.35–05.45 – News & Music. – N. in I. & E.: 00.00, 01.00, 02.00, 03.00, 04.00, 05.00. – N. in F. & G.: 23.30, 00.30, 01.30, 02.30, 03.30, 04.30.

ANN.: "RAI – Radiotelevisione Italiana – Stazioni del (Programma Nazionale, Secondo Programma, Terzo Programma)". Night Progr.: "RAI – Radiotelevisione Italiana – Stazione di Roma 2 che trasmette sulla lunghezza d'onda di m. 355 pari a kc/s 845 – "Notturno dall' Italia". – INT.-SIG.: Bird chirping. – VER. by QSL-card.

FOREIGN SERVICE

Radio Roma 50/60/100 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
5960	50.34	7290	41.15	11905	25.20	17740	16.91
6010	49.92	9575	31.33	15120	19.84	17770	16.88
6060	49.50	9630	31.15	15325	19.58	17800	16.85
6210	48.31	9710	30.90	15400	19.48	21560	13.91
7275	41.24	11810	25.40				

EUROPEAN SERVICE "Rome Calling Europe"

	kc/s		
Albanian		**Polish**	
13.30–13.45	7290, 9575	13.00–13.15	6010, 9630, 11810
17.45–18.00	6010, 9575	27.35–17.45	6010, 9575
Bulgarian		10.10–20.25	5960, 7275
20.55–21.15	6010, 7290, 9575	**Portuguese**	
Czech		21.30–21.55	5960, 7275
13.15–13.30	6010, 9630, 11810	**Rumanian**	
18.25–18.35	5960, 7275, 9710	13.00–13.15	7290, 9575
20.25–20.40	5960, 7275	20.35–20.55	6010, 7290, 9575
Danish/Swedish/Italian*		**Russian**	
17.35–17.55	5960, 7275, 9710	03.15–03.40	6010, 7275, 9575, 9630, 11810
English			
18.00–18.20	6010, 9575	14.05–14.20	9575, 11905
French		21.15–21.35	5960, 7275
18.20–18.40	6010, 9575	**Serbian**	
German		21.15–21.35	6010, 7290, 9575
13.30–13.45	6010, 9630, 11810	**Slovak**	
18.10–18.25	5960, 7275, 9710 for Austria	13.45–14.00	6010, 9630, 11810
		21.00–21.15	5960, 7275
20.40–21.00	5960, 7275	**Slovene**	
Greek		13.45–14.00	7290, 9575
19.05–19.25	5960, 7275	**Spanish**	
Hungarian		22.00–22.25	5960, 7275
13.15–13.30	7290, 9575	**Turkish**	
21.35–21.55	6010, 7290, 9575	19.25–19.50	5960, 7275
Lithuanian		**Ukrainian**	
19.50–20.10	5960, 7275	18.40–19.00	6010, 9575
		For Belgium/Holland/Esperanto Nato, United Europe**	
		17.55–18.10	5960, 7275, 9710

* Danish: Tues., Thurs., Sat.; Swedish: Mo., Wed., Fri.; Italian: Sun.
** For Belgium (F.): Sun.; Holland: Sat.; Esperanto: Tues., Wed., Fri. – Nato (E. & F.): Thurs. – United Europe (E. & F.): Mo.

GENERAL OVERSEAS SERVICE

AU., N.Z., PACIFIC	
English	
09.00–09.40	15325,17800,21560
Italian	
06.50–07.45	9575, 11905, 17740 17800, 21560
11.25–12.00	15400, 17770
20.00–20.30	9575, 9710, 11810
22.00–22.20	9575, 9710, 11810
S.E.ASIA & THE FAR EAST	
Chinese	
09.45–10.05	15120, 17800
English, French	
10.40–11.20	11810,15400,17770
Indonesian	
09.45–10.05	15325,17770,21560
Japanese	
10.10–10.35	11810,15120,15325 17770, 17800
S. ASIA	
Hindi (W.)	
15.10–15.30	11810,11905,15325
Urdu (W.)	
14.50–15.10	15400, 17770
AFRICA & NEAR EAST	
Arabic	
06.25–06.45	6010, 9575, 11905 15400, 17800
10.40–11.20	15325, 17800
19.05–19.55	6010, 9575, 11810
English	
09.20–09.40	11905, 15120
French	
09.00–09.20	11905, 15120
Italian	
11.25–12.00	15325,17800,21560
16.00–17.30	9575, 11810, 15325 17770, 21560
Persian	
14.25–14.45	11905, 17770
SOUTH AFRICA	
English	
15.35–15.55	17770, 21560
C. & S. AMERICA	
Italian	
18.40–19.00	11810,15325,17770
02.25–02.45	6060, 9630, 9710
Portuguese	
00.15–00.35	9630, 9710, 11810
Spanish	
00.35–00.55	9630, 9710, 11810
02.50–03.10	6060, 9630, 9710
N. AMERICA	
English	
00.15–00.35	6010, 9575
02.25–02.45	6010, 9575
French	
00.35–00.55	6010, 9575
Italian	
22.30–00.15	6010, 9575, 9630 9710, 11810
01.00–02.25	6010, 6060, 9575, 9630, 9710
02.50–03.10	6010, 9575
SPECIAL PRGR.S ITALIAN	
Press Review, News	
07.50–08.05	9575, 11905 17740, 17800, 21560
15.35–15.55	6010, 7290, 11810
Dictation News	
08.05–08.55	9575, 11905, 17740 17800, 21560
14.05–14.45	15325,17800,21560
Sport (Sun. only)	
14.55–16.05	11810,15400,17770 17800, 21560

ANN. in I.: "Qui la Radio Italiana che vi parla da Roma, che trasmette su la lunghezza d'onda di... programma per...", and in the languages of the countries to which the transmission is dedicated. – INT.-SIG.: Bird chirping. – VER. by QSL-card.

★ LUXEMBOURG ★

Local Time: 1 h. ahead of GMT. Language: Luxembourgian.

RADIO LUXEMBOURG (Comm.-Priv.).

ADDR.: Compagnie Luxembourgeoise de Télédiffusion, Villa Louvigny, Luxembourg. Cable: "Radio Luxembourg". – L.P.: Pres.: E. Reuter. Dir. Gen.: R. L. Peulvey. Asst. Gen. Mgr.: M. Felten, J. du Closel. Dir. Prgr.: J. Luc. Dir. Music: H. Pensis.

STATIONS: R. Luxembourg I and II.

I 233 kc/s 1287 m 500 kW d. – 6090 kc/s 49.26 m 50 kW*)
II 1439 – 208 – 150 – d. – 15350 – 19.54 – 5 –

*) Relay of 1439 kc/s.

HOME SERVICE:

LUXEMBOURG II:

1439 kc/s D. 17.00–18.00. Sun. also 13.00–14.00 in Luxembourgian. National Music: Sun. 17.30–17.45. Sat. 17.00–17.30. – N.: W. 17.45. – Weatherrep.: D. 17.58. – ANN.: "Hei ass Radio Letzeburg".

FOREIGN SERVICE:

LUXEMBOURG I: 233 kc/s 05.15–23.00 Fr. for France. – Luxembourg II 1439 kc/s D. 18.00–23.00 (Sat. 23.30) E. for Gt. Britain – 05.30 (Sun. 06.00)–13.00 Fl. for Belgium.

FRENCH on 233 kc/s: National Music: Sun. 11.20–11.30. N.: W. 05.40, 06.45, 08.00, 09.00, 10.00 (exc. Thurs.), 12.00, 18.15, 20.00 (exc. Sat.), 21.00 (exc. Mo.), 22.00, Sat. 19.45. Sun. 06.00, 07.00, 08.00, 09.00, 12.00, 13.00, 18.15, 20.00. – Mailbag: W.: In the period 16.30–17.30. – Weatherrep.: D. 06.24 (exc. Sun.), 20.01 (exc. Thurs., Sat.). Thurs. 19.30, Sat. 19.46 (D. 17.59 on 1439 kc/s). – Time Sig.: Sun. 06.10, 07.09, 12.05, 18.23. W. 05.45, 06.55, 12.12, 18.32.

FLEMISH on 1439 kc/s: N.: D. 06.45, 08.00, 09.00, 10.00, 11.50, W. 05.45. – Mailbag: Sun. 12.30–13.00. Thurs. 07.00–07.30. – Weatherrep.: D. 06.14, 06.55, 11.48. – Time Sig.: D. 08.00, 09.00, 10.00, 11.50.

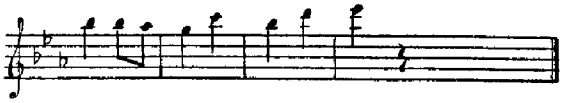
ENGLISH on 1439 kc/s: Time Sig.: Sun. 19.00, 20.00, 21.00, 22.00, 23.00. W. (exc. Sat.) 19.00. – Religious: Fri. 22.16–22.31.

GERMAN on 233 kc/s: N.: Sun. 05.50, Mo. 05.10. D. 05.15 (exc. Mo., Sun.). – Religious: Mo. 05.17–05.37, Wed. Thurs., Fri.: 05.22–05.37, Sat. 22.01–22.16.

DUTCH on 233 kc/s: Religious: 05.22–05.37. – RUSSIAN on 233 kc/s: Tues.: 05.22–05.37. – POLISH on 233 kc/s: Sun. 05.30–05.50. – SLOVENE on 233 kc/s: Religious: Sun. 05.15–05.30.

ANN.: F.: "Ici Radio Luxembourg". E.: "Here Radio Luxembourg." Fl.: "Hier is Radio Luxembourg."

INT.-SIG.: Melody played on piano: A Luxembourgian popular song



VER. by letter. – PUBLICATIONS: "Radio Magazine" (for French listeners) and "Notre Radio" (for Belgian listeners) are distributed free of charge to members of "Association des Amis de Radio-Luxembourg". "208 and View", is a weekly progr. journal, for sale in England.

★ MADEIRA ★

Local Time: 1 h. behind GMT (Su. GMT). – Language: Portuguese.

ESTACAO RADIO MADEIRA (Pr.)

ADDR.: S. Martinho, Funchal. – L.P.: Manuel Portela Ribeiro. Dir. Tec., Adm.: M. de Sousa Portela Ribeiro.

HOME SERVICE: CSB90 1484 kc/s 202 m 1 kW: 13.30–15.30, 20.00–02.00.
N.: Wed. 22.45. – Religious N.: D. 22.33. – Weatherrep.: D. 22.30.

ANN.: "Ouvem a Estaçao Rádio da Madeira, a trabalhar em S. Martinho, Funchal, com ó seú emissor de onda média, CSB90, no com primento de onda de 202 m frequencia de 1484 kc/s". – VER. by QSL-card. – F.PL.: Increase m.w. power to 5 kW. A new s.w. transmitter 10 kW.

RADIODIFUSAO DE FUNCHAL 1594 kc/s 188.2 m 0.5 kW: W.: 13.30–17.00, 21.00–02.00. Sun. 11.30–13.30, 15.00–02.00

EMISSORA NACIONAL see Portugal.

★ MALTA ★

Local Time: 1 h. ahead of GMT. Language: English.

REDIFFUSION (MALTA) Ltd. (Wired Broadc. Pr. Comm.).

ADDR.: 135 Britannia Str., Valetta. – Cable: Rediffusion Malta.
L.P.: Gen. Mgr.: E. Hamilton Hill. Ass. Gen. Mgr.: G. A. Slater. Dir. Prgr.: Major L. A. Pace Bonello. Chief-Eng.: P. A. Shears, B.A.M.I. E.E. Govt. Inf. Officer: P. J. Naudi. – D.PRGR.: 06.00–23.00 BBC Gen. Overseas Sce. – Local Prgr.: 05.00–22.00 in Maltese. Wired broadc. covering all towns and villages in Malta and Gozo.

★ MONACO ★

Local Time: 1 h. ahead of GMT. – Language: French.

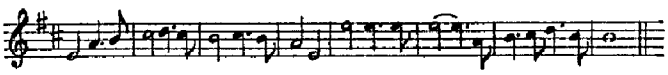
RADIO MONTE-CARLO (COMM.)

ADDR.: 16, Boulevard Princesse Charlotte, Monte Carlo.
Cable: Radio Monte Carlo. – L.P.: Pres. of Adm. Council: Cesar Solamito. Dir. Gen.: Robert Schick. Comm. Dir.: R. H. Dogor. Chief Comm. Sce.: E. Bosio. Dir. Tec.: G. Auvray .Dir. Prgr.: J. Antoine. Dir. Adm.: Fr. de la Panouse. Chief Information: Ph .Fontana.
Stations: "Radio Monte Carlo":
3AM2 1466 kc/s 205 m 120 kW 3AM4 7140 kc/s 42.02 m 30 kW
3AM3 6035 kc/s 49.71 m 30 kW

HOME SERVICE on all frequencies: D.: 05.57–22.30. – N.: Every h. on the h. exc. 20.00, 21.00. – Weatherrep.: 06.00, 08.00, 19.00, 20.00. – Time Sig.: 07.00, 12.00, 18.00, 18.55, 21.00, 22.00. – Request Prgr.: Sun. 09.17. – "Les disques que vous aimez": Mo. 20.35.

FOREIGN SERVICE in E., Ger., It., Sp. on all frequencies:
E.: Mo. 22.05 "Hour of Revival". Wed. 22.05 "Baltimore Gospel Tabernacle". Thurs. 22.05 "Hour of Decision". – G.: Thurs. 22.30 "Mitternachtsruf", Fri. 22.20 "Neues Leben". – It.: Fri. 08.10 "La Voix de l'Espérance". – Sp.: Fri. 22.05 "Radio Avivamiento".

ANN.: "Ici Monte Carlo". – INT.-SIG.:



D. at 05.57 "L'Hymne Monégasque" is played. – VER. by QSL-card.

★ NORWAY ★

Local Time: 1 h. ahead of GMT. – Language: Norwegian.

NORSK RIKSKRINGKASTING (Govt.)

A non-commercial enterprise operated by an independent organization.
ADDR.: Bj. Björnsonsplass 1, Oslo. – Cable: Studio, Oslo.

L.P.: Dir.: K. Fostervoll. Dir. Prgr.: Th. Diesen. Dir. Adm.: K. Tvedt. Dir. Tec.: Chr. Vibe. Chief Secr.: O. Lid. Studio-Controller: A. Klæbo. Prgr. Editors: Toralv Øksnevad, Carl C. Lyche, Fr. Chr. Wildhagen, L. Rustad. Dir. Music: H. Kramm. Dir. Plays: H. Heiberg. Editor "Programbladet": E. Strand. Dir. Shortwave Prgr.: Gunnar Nygaard.

HOME SERVICE in Norwegian: 05.45–08.00 (Sat. 08.20), 10.20–13.00, 15.30 (Sat. 15.00)–22.00. Sun.: 07.15–14.45, 15.00–22.15.

	kc/s	m	kW		kc/s	m	kW
Alta	1115	269	0.25	Narvik	1466	205	1
Arendal	1115	269	0.25	Notodden	1115	269	1
Bergen I	890	337	20	Odda	1466	205	0.25
Bergen II	1115	269	1	Oslo	218	1376	200
Bodö	674	445	10	Porsgrunn	1466	205	0.25
Brönnöysund	1484	202	0.25	Rjukan	1484	202	0.25
Finnmark	701	428	20	Röros	1115	269	0.25
Fredrikstad	1578	190	10	Sandnessjöen	1466	205	0.25
Geilo	1466	205	0.25	Sogndal i Sogn*)			0.6
Hamar	520	577	1	Stavanger	1313	228	100
Kristianssand	890	337	20	Sulitjelma*)			0.25
Langerak*)			0.6	Svalbard	1466	205	0.25
Lista	1115	269	0.3	Tromsö	155	1935	10
Mo i Rana	1115	269	0.025	Tröndelag	890	337	20
Mosjöen	1484	202	0.025	Vigra	629	477	100
Namsos	1115	269	1				

*) Rediffusion.

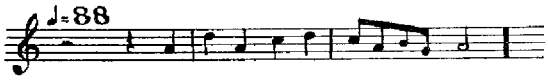
FM: Lyngdal 97.6 mc/s 3 kW. – Voss 93.3 mc/s 3 kW. Relay.

N.: 07.00 (W.), 08.00 (Sun.), 12.00, 18.05, 21.10. – Weatherrep.: 05.54 (W.), 07.00 (W.), 08.00 (Sun.), 12.00, 18.00, 21.00.

Bergen II Local: W. 11.00–11.30. D. 16.00–17.30.

Bodö, Tromsö, Finmark broadcaster. Local: Tues., Wed., Thurs., Sat 13.00–13.15.
Vadsö, Alta & Tromsö (155/9550 kc/s) in Samisk: Sat. 13.30–14.00.

ANN.: "Dette er Norsk Rikskringkasting". In Samisk: "Dat la Norga Rikaradio, Tromsast. Di gullabetet Samgial programa". – INT.-SIG.:



FOREIGN SERVICE:

Frequencies that may be used during the year. Transmitters: Fredrikstad 100 kW (1), 10 kW (2), 5 kW (one, 13 m only), Tromsö 10 kW (1).

Call	kc/s	m	Call	kc/s	m	Call	kc/s	m
LKF	1578	190.1	LLD	9550	31.41	LLM	15175	19.77
LKJ	6130	48.94	LLG	9610	31.22	LKW	17755	16.90
LLI	6185	48.50	LLH	9645	31.10	LLN	17825	16.83
LLS	7210	41.61	LKQ	11735	25.56	LLP	21670	13.85
LLR	7240	41.44	LLK	11850	25.32	LLQ	21730	13.81
LKJ2	9540	31.45	LKV	15170	19.78			

To Eu.,, Af., Antarctic:
W. 06.30–07.35 Home Sce. 11735, 15175, 17825, 21670
Sun. 07.15–09.55 – – 11735, 15175, 17825, 21670
D. 18.00–22.00 – – 9610, 11735, 15175, 21670

To F.E., Jap., E.-Au., N.Z., Af.:
D. 11.00–12.00 For Norw. abroad
W. 12.00–12.20 Home Sce.
Sun. 12.00–12.25 "Norw. this week"
} 11735, 15175, 17825, 21670

To Ind.-Oc., W.Au., E.Af., N.Am.:
D. 13.00–14.00 For Norw. abroad
Sun. 14.00–14.20 "Norw. this week"
} 11735, 15175, 17825, 21670

For Mediterranean, Af. Waters, N. and M. Atlantic:
D. 16.00–17.00 For Norw. abroad
Sat. 17.00–18.00 Home Sce.
Sun. 17.00–17.20 "Norw. this week"
} 11735, 15175, 17825, 21670

To S. America:
D. 23.00–24.00 For Norw. abroad
Mo. 00.00–00.20 "Norw. this week"
} 6130, 9610, 11735, 1578

To N. America:
Dl 01.00–02.00 For Norw. abroad
Mo. 02.00–02.20 "Norway this week"
} 6130, 7210, 9610, 1578

To N. America, Pacific, S. Africa:
D. 04.00–05.00 For Norw. abroad
Mo. 05.00–05.20 "Norway this week"
} 6130, 7210, 9610, 1578

To N.- & Mid-Atlantic:

W.	10.25-10.35 Weather at Sea*)	9610, 11850, 21670
D.	22.55-23.00 – – – *)	6130, 9610, 11735, 1578
D.	00.55-01.00 – – – *)	6130, 7210, 9610, 1578

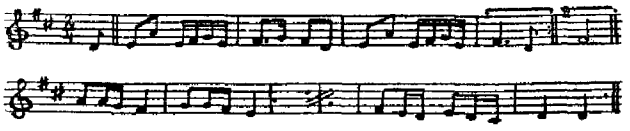
*) In Norwegian only.

Prgr. for Norwegians abroad: Sun. Religious Sce. Parliament N., Local N. – Mo. Sport N., Local N. – Tues. Answers to letters from listeners, Local N. – Wed. Request Prgr. (music), Local N. – Thurs. World N., Local N. – Fri. Missionary N., Local N. – Sat. Letter Box, Local N.

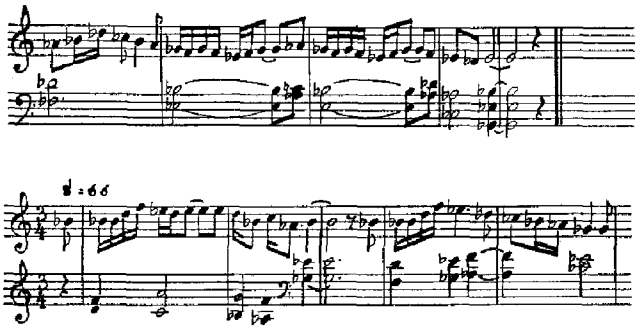
FOR NORWEGIAN SEAMEN in the N. Atlantic and the N. Sea: Tromsö Short Wave Transmitter broadcasts daily the entire Home Sce. Prgr.: On 9550 kc/s until 15.00, and on 7210 kc/s after 15.00.

ANN.: "This is R. Norway with its short wave service for Norwegians abroad".

INT.-SIG.: Every s.w. transmission is introduced by the following theme, which originates from an ancient folk tune from Hallingdal:



Five minutes previous to every short wave transmission the following signal is sent:



Message to our English-speaking audience: In our daily special programmes for Norwegians abroad we will usually have a section of Norwegian music or music presented by Norwegian artists. This musical section, which lasts 15 to 20 minutes, is introduced in English as well as in Norwegian. On Wednesdays and Saturdays you can listen to our **"Letter Box Programme"**, in which we play our listener's request records. We often receive letters from listeners in Norway with request to play a record with a greeting to one of their relatives abroad, but we regret to be unable to comply with these requests.

Every Sunday we have an additional programme in English, **"Norway this week"**, in which we try to present Norway in different ways through music and feature programmes. We are very grateful for comments on our transmissions. Reports are answered by QSL-card. Return postage is not necessary. Our postal address is: RADIO NORWAY, Oslo, Norway.

PUBLICATION: Programbladet (weekly).

★ POLAND ★

Local Time: 1 h. ahead of GMT. – **Language:** Polish.

POLSKIE RADIO (Govt.).

ADDR.: President de la Radio Polonaise, Noakowskiego 20, Warsaw. **Cable:** Polskieradio. – **L.P.:** Chairman for the Board of "Polskie Radio": *Wlodzimierz Sokorski. Vicepres., Dir. Prgr.:* Edward Uzdanski. Vice-Pres., Dir. Information: Henryk Werner. Vice-Pres., Chief-Eng.: Wladyslaw Cetner. Dir. Foreign Relations: Madame Anna Mellerowa.

HOME SERVICE:

	kc/s	m	kW		kc/s	m	kW
Warszawa I	227	1322	200	Bydgoszcz	1367	219.5	24
Warszawa II	818	367	50	Wroclaw	1367	219.5	50
Stalinograd	1079	278	60	Gdansk	1484	202.2	30
Poznan	1205	249	30	Kracow	1502	199.7	10
Szczecin	1259	238.3	50	Rzeszow	1502	200	30
Lodz	1304	230	10	Bialystock	1594	188.2	30

PRGR. I: 227 kc/s: W.: 04.00-12.40 (Sat. 12.10), 14.25-22.10 (Sat. 22.40). Sun.: 04.57-11.04, 12.00-22.40.

Chopin Concert: Sun. 16.00-16.30. – **Symphony:** Fri. 19.30, Sun. 12.04-13.30. – **N.:** 05.04, 06.00, 06.30, 07.00, 07.30, 08.00, 12.04, 15.00, 19.00, 21.00, 23.00. – **Language Lessons, Russian:** Wed., Fri. 17.05-17.25. – **Mailbag:** Wed. 17.25-17.35.

PRGR. II: 818 kc/s: W.: 04.00-08.00, 11.35-23.00. Sun. 05.27-23.00. **Chopin Concert:** Sat. 10.30-11.00, Wed. 21.00-21.30. – **Symphony:** Tues. 20.35-22.30. – **Language Lessons, Russian:** Tues., Thurs. 10.00-10.20. – **Mailbag:** Sat. 09.50-10.00.

FOREIGN SERVICE:

kc/s	m	kc/s	m	kc/s	m	kc/s	m
17800	16.85	9615	31.20	7145	41.99	5975	50.21
15120	19.84	9540	31.45	7125	42.11	5955	50.38
11775	25.48	9525	31.50	6135	48.90	1304	230
11740	25.55	7205	41.64	6025	49.79	1079	278
11705	25.63	7175	41.81	5995	50.04	737	407
						227	1322

EUROPEAN SERVICE:

Danish:
05.30-06.00 41-49-407
20.30-21.00 41-49
21.00-21.30 49-407
21.30-22.00 41-49

English:
06.30-07.00 41-49-407
19.00-19.30 41-49
19.30-20.00 41-49
20.00-20.30 41-49
22.00-22.30 407 (exc. Fri).
22.30-23.00 41-49

Finnish:
04.00-04.30 41-49-407
09.00-10.00 25 (Sun. only)
16.00-16.30 41-407
17.30-18.00 41-49
19.30-20.00 49

French:
05.00-05.30 41-49
06.00-06.30 41-49
11.45-12.00 25
13.30-14.15 25
17.30-18.00 49-407
20.00-20.30 41-49-407
20.30-21.00 41-49
21.30-22.00 41-49
22.00-22.30 41-49

German:
04.30-05.00 41-49
05.00-05.30 41-49-407
17.00-17.30 41-49-407
18.30-19.00 41-49-407
19.30-20.00 41-49
21.00-21.30 41-49
22.45-23.15 1322 (d. exc. Sat, Sun.)
23.15-23.45 1322 (Sat., Sun.)

Greek:
03.30-04.00 407
04.00-04.30 41-49
04.30-05.00 41-49-407
12.15-12.30 25-31
13.00-13.30 25-31
14.30-15.00 31
15.00-15.30 31-41
15.30-16.00 31-407
17.00-17.15 31
18.00-18.30 41-49
22.00-22.30 41-49

Italian:
14.00-14.25 25
18.00-18.30 41-49-407
20.00-20.30 49
22.30-23.00 407 (exc. Fri.)

Jewish:
17.00-17.30 31-41

Polish:
05.30-06.00 41-49
06.30-07.00 31-41-49
07.00-07.30 49-407
10.15-10.45 25-31
10.45-11.15 25-31
12.30-13.00 25-31
16.30-17.00 41-49-407
18.00-18.30 41-49
18.30-19.00 41-49
19.00-19.30 41-49
20.00-20.30 41-49
20.30-21.00 41-49-407
21.00-21.30 41-49
23.15-23.45 230-278

Russian:
11.15-11.45 25-31

Serbo-Croat:
15.00-15.30 31
16.00-16.30 31
21.30-22.00 407

Spanish:
13.30-14.00 25
18.30-19.00 41-49
20.30-21.00 49
21.00-21.30 41-49
22.30-23.00 41-49
23.00-00.30 407

Swedish:
06.00-06.30 41-49-407
17.30-18.00 41-49
19.00-19.30 41-49-407
22.15-22.45 1322 (d. exc. Sat., Sun.)
22.45-23.15 1322 (Sat., Sun.)

Turkish:
16.30-17.00 31-41
18.30-19.00 49

Concerts:
07.30-10.00 49-407
14.00-14.30 25-31-407
14.30-15.30 25-407
15.30-16.30 31-41
22.00-23.00 407 (Fri. only)

NORTH AMERICAN SERVICE:

English:
11.00-11.30 17800, 15120
12.15-12.45 17800, 15120
12.45-13.15 17800, 15120
00.30-01.00 9525, 6025
01.00-01.30 9525, 6025
02.30-03.00 9525, 6025
05.30-06.00 9525, 6025

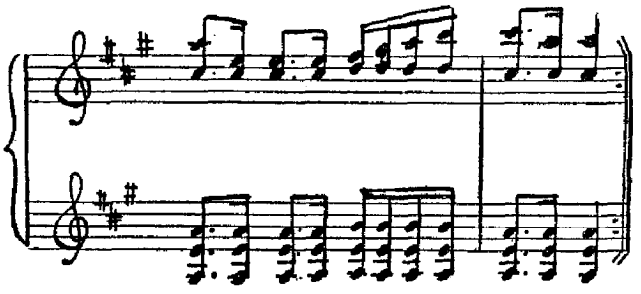
Jewish:
04.00-04.30 9525, 6025

Polish:
11.30-12.15 15120
01.30-02.00 9525, 6025
02.00-02.30 9525, 6025
03.00-03.30 9525, 6025
03.30-04.00 9525, 6025
04.30-05.00 9525, 6025
05.00-05.30 9525, 6025

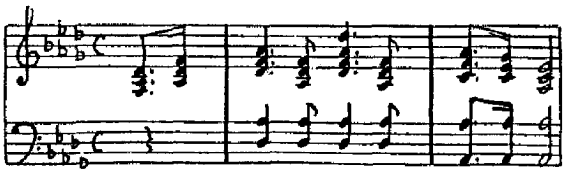
SOUTH AMERICAN SERVICE:

Polish:
10.15-10.45 17800
22.15-22.45 11740
22.45-23.15 11740
23.15-23.45 11740, 9540
23.45-00.15 11740, 9540

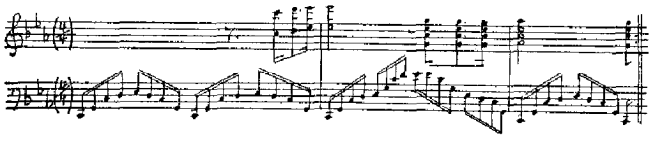
ANN.: In Polish: "Mowi Warszawa". In French: "Ici Varsovie". In English: "This is Warsaw calling".
INTERVAL-SIGNAL: Warsaw National. Warsaw I.



Warsaw II: First movement of Polonaise in A flat major by Chopin.



Foreign Service: Revolutionary Etude by Chopin.



VERIFICATION by QSL-card. Return postage not required.

★ PORTUGAL ★

Local Time: GMT. (Su. 1/4–1/10 1 h. ahead of GMT). – Language: Portuguese.

EMISSORA NACIONAL DE RADIODIFUSAO (Govt.)

ADDR.: Rua do Quelhas, 2, Lisboa. Cable: "Emissora Portugal". Emissor Regional do Norte: Rua Candido dos Reis, Porto. – Emissor Regional de Coimbra: Coimbra. – Emissor Regional de Faro: Faro. – Emissor Regional da Guarda: Guarda. – Emissor Regional dos Açores: Ponta Delgada, Açores.
L.P.: Pres.: Antonio d'Eça de Queiroz. Dir. Tec.: Manuel Bivar. Dir. Adm.: Armando Stichini Villela. Dir. Production: José Luiz da Silva Dias. Dir. Transmitting Dept.: Fernando da Cunha d'Eça. Dir. Studios Dept.: Henrique Leoto Tavares. Dir. License Dept.: José C. Carrilho. Dir. Foreign Service: Tomáz Alcaide.
STATIONS:
Medium Waves:

	kc/s	m	kW		kc/s	m	kW
Guarda	557	539.0	1	PontaDelgada	1214	247.1	2
Vila Real	557	539.0	1	Faro	1358	220.9	2
Coimbra	557	539.0	1	Coimbra	1367	219.5	2
Guarda	584	513.6	1	Guarda	1448	207.2	1
Lisboa I	665	451.1	50	Faro	1484	202.2	2
Lisboa II	719	417.2	15	Funchal	1529	196.2	1
Porto I	755	397.3	50	Porto II	1562	192.1	5
Lisboa	1061	282.8	15				

Short Waves: All stations Lisboa exc. those marked with * (Ponta Delgada). All stations directional exc. 123, 75 and 61 m.b. All stations 100 kW exc. 2422 kc/s (1), 75 m.b. (10), 61 m.b. (1) and 13, 11 m.b. (50 kW).

kc/s	m	Call	kc/s	m	Call	kc/s	m	Cm
2422*	123.9	CSA98	7018*	42.75	CSA91	9746	30.78	CSA28
3980	75.38	CSA73	7049	42.56	CSA60	9765	30.72	CSA57
3990	75.19	CSA74	7130	42.07	CSA55	9775	30.69	CSA76
4845*	61.92	CSA93	7225	41.52	CSA53	11.720	25.60	CSA40
4865*	61.66	CSA97	7260	41.32	CSA22	11755	25.52	CSA208
4880*	61.48	CSA94	7265	41.30	CSA54	11840	25.34	CSA31
5960	50.34	CSA206	9635	31.14	CSA23	11875	25.26	CSA58
5976	50.20	CSA78	9645	31.10	CSA56	11895	25.22	CSA59
6020	49.83	CSA207	9650	31.09	CSA20	11915	25.18	CSA30
6025	49.79	CSA52	9670	31.02	CSA24	11915*	25.18	CSA92
6185	48.50	CSA29	9680	30.99	CSA25	11920	25.17	CSA77
6360	47.17	CSA38	9727	30.84	CSA26	11925	25.16	CSA71
6374	47.09	CSA21	9740	30.80	CSA27	11925*	25.16	CSA95
11930	25.15	CSA72	15125	19.83	CSA64	17880	16.78	CSA45
11930*	25.15	CSA96	15150	19.80	CSA33	17890	16.77	CSA46
11935	25.14	CSA62	15160	19.79	CSA34	17895	16.76	CSA66
11958	25.09	CSA41	15320	19.59	CSA37	21495	13.95	CSA67
11964	25.07	CSA63	15355	19.54	CSA65	21660	13.85	CSA47
11995	25.01	CSA32	15380	19.50	CSA42	21690	13.83	CSA48
14151	21.20	CSA61	17740	16.92	CSA43	21700	13.83	CSA49
15100	19.87	CSA39	17815	16.84	CSA79	25650	11.70	CSA50
15110	19.85	CSA35	17835	16.82	CSA20	25665	11.69	CSA68
15120	19.84	CSA36	17870	16.79	CSA449	25700	11.67	CSA51

Remark: Powers indicated are the powers at carrier level.

FM:	mc/s	kW	FM:	mc/s	kW
Porto (a)	92.5	12	Marão	96.1	50
Montejunto	93.1	1	Ossa	96.7	1
Nogueira	93.7	1	Serra da Estrela	97.3	50
Lisboa (a)	94.3	12	Serra da Fóia	97.9	1
Oural	94.9	1	Paradela	98.5	15
Serra d'Aire	95.5	50	Arrábida	99.1	1

During summer (1st Sunday of April to 1st Sunday of October) the Home Service is advanced one hour according to "local summertime". The Overseas Service continues on GMT.

HOME SERVICE
LISBOA I: W.: 07.30–10.00, 12.00–15.00, 18.00–24.00. Sun. 07.30–24.00.
N.: D.: 08.30, 13.00, 18.00, 19.45, 21.00, 23.45. – Portuguese Music: Sun. 12.45, 21.10. Mo. 07.40, 12.40, 13.30. Tues. 09.15, 20.45, 22.40. Wed. 07.40, 13.30. Thurs. 09.15, 12.00, 12.30. Fri. 19.30, 22.40. Sat. 07.50, 12.00, 21.30. – Weatherrep.: 09.55, 14.55, 23.45. – Time. Sig.: 08.00, 09.00, 10.00, 12.00, 13.00, 15.00, 18.00, 21.00, 24.00.
LISBOA II: W. 19.00–24.00. Sun. 13.30–24.00.
PORTO I and PORTO II (Norte Nacional): W.: 08.00–10.00, 12.00–15.00, 18.00–24.00. Sun. 08.30–24.00.
COIMBRA and FARO: W.: 08.30–10.00, 12.00–15.00, 18.00–24.00. Sun. 11.00–24.00.
GUARDA and COVILHA: W.: 13.00–14.00, (Sat. 15.00), 18.00–24.00. Sun. 11.00–24.00.
PORTA LEGRE and ELVAS: N. 18.00–24.00. Sun. 11.00–24.00.
ATLANTICO: On 11915 kc/s: W. 12.00–15.00. Sun. 11.00–16.45 (Apr.–Oct. 18.45). On 6373 kc/s: W. 18.00–24.00. Sun. 17.00–24.00 (Apr.–Oct. 19.00–24.00)
AÇORES REGIONAL: 20.00–24.00 on 4865 kc/s.
LISBOA FM: As Lisboa I. – PORTO FM: 14.45–17.00, 20.00–24.00 (Sun. and National Holidays only).
ANN.: "Estudios de Lisboa da Emissora Nacional Estimados ouvintes, muito bom dia (boa tarde ou boa noite)". – INT.-SIG.: Bells and National Anthem. – VER. by QSL-card.

FOREIGN SERVICE:

Time	Service	Oct./March m. b.	April/Sept. m. b.	Language
10.30–13.00	Timor	16, 13	16, 13	P
10.30–13.30	Macau	19. 16	16, 13	P
10.30–13.30(W) / 10.30–17.00Su.	Angola, Mozamb. Sao Tomé	13	13	P
13.30–14.15	India, Pakistan	19, 16, 13	16, 13	E
14.15–14.45	Persian Gúlf	19, 16, 13	16, 13	Konkani
14.45–17.00	Goa	19, 16, 13	16, 13	P
17.00–17.45	*)	16, 13	16, 13	E
17.45–21.30	Angola, Mozamb., Sao Tomé	19, 16, 13	16, 13	P
21.30–00.45	New Foundland Dog	30, 25	19, 16	P
21.30–01.30	Guinea, Cape Verde, Brazil	30, 25**)	19, 16	P
01.00–03.30	USA, Canada (E. Coast)	30, 25	25, 19	P
01.45–03.30	USA (W. Coast)	30, 25	25, 19	P

*) Kenya, Tanganyika, Uganda, Zanzibar, S. Africa; **) From January add 19 m.b.
N.: 11.30(W), 15.30(W), 17.45, 20.00, 21.45, 00.00, 02.00 (exc. Mo.). – Mailbag: Mo. 01.35, Fri. 02.30.
ANN.: "Aqui Lisboa, Serviço Ultramarino da Emissora Nacional a transmitir para... Estimados ouvintes, muito bom dia (boa tarde ou boa noite)". – INT.SIG.: Time signal and Nacional Anthem. – VER. by QSL-card. Reports are welcomed.

RADIO RENASCENCA (Rel. Catholic).

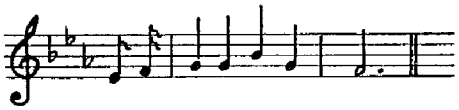
ADDR.: Emissora Catolica Portuguesa, Rua Capelo 5, 2° esq°., Lisboa
L.P.: Dir. and Foundator: M. Lopez da Cruz. Chief-Eng.: F. M. Bordalo Machado. Dir. Prgr.: H. Mendez. Delegados Porto: P. e D. da Costa Maia, M. C. Pimentel.
HOME SERVICE in P.: 08.30–10.30, 12.00–15.00, 18.30–24.00.
Lisboa CSB3 1286 kc/s 233 m 2 kW – CSB52 6154 kc/s 48.74 m 0.6 kW.

Porto CSB30 1169 kc/s 256.6 m 1 kW.
N.: 13.45, 20.30, 22.45. – **Weatherrep.:** After N. at 22.45. – **Time Sig.:** 13.00, 21.00. – **Religious Prgr.:** D. 18.30–19.00. From May to October on the dates 12 and 13 are broadcast in different languages a religious ceremony from 23.00–01.00 and 11.00–13.00. Sun.: 11.30–12.15, 18.30–19.45. – **P. Music:** 20.40–20.55, 23.10–23.59.
ANN.: **P.:** "Radio Renascenca-Emissora Catolica Portuguesa". **E.:** "This is the Portuguese Roman Catholic Broadcasting Station". **INT.-SIG.:** Gong. Prgr.s open with a religious choir. – **VER.** by QSL-card. – **F.PL.:** Increase of powers.

RADIO CLUBE PORTUGUES (Comm.-Priv.).
(Sociedade Anonima Cooperativa de Responsabilidade Limitada).
ADDR.: Central Office: Radio Clube Portugues, Parede, Portugal. – **Cable:** "Radioclube". – **Northern Branch:** Radio Clube Portugues, Rua de Ceuta, 53, Portugal. – **Cable:** "Radioclube". – **L.P.:** Pres.: Maj. Jorge Botelho Moniz. Gen. Mgr.: A. Lima Basto. Prgr. Dir.: Alvaro Jorge. Tec. Dir.: Eng. Manuel Meneses. Sales' Mgr.: Col. Ruy Pereira de Cunha.
Northern Branch: Dir. :Eng. Henrique Schreck. Chief-Eng. (Miramar): Eng. Pedro Niny dos Santos.
HOME SERVICE:

Miramar (Porto)	CSB9	782 kc/s	383.6 m	100 kW	12.00–14.00, 19.00–00.30
Parede	CSB2	1034 –	290.1 –	20 –	07.00–01.00
Parede	CSB51	6080 –	49.34 –	10 –	07.00–01.00
Lisbon	CSB55 (FM)	90.2 mc/s		3 –	08.30–01.00

ANN.: "Aqui, R. Clube Portugues, a transmitir com as suas estaçoes...". – **INT.-SIG.:** Gong. – **VER.** by QSL-card.



RADIO UNIVERSIDADE (Cultural-Ministerio da Educacao).
ADDR.: Praca das Flores 51, Lisboa. – **L.P.:** Dir. int.: Dr. Joaquim da Silva Cunha. Chief Eng.: Eng. José Miguel Dias. Dir. Adm. e Lit. int.: Carlos da Silva Lima. Coord. Explor.: Helder Santos.
HOME SERVICE in P.: 719 kc/s 418 m 20 kW: 18.00–18.55.
ANN.: "Radio Universidade, estudios do Centro Universitário de Lisboa, da Mocidade Portuguese, a transmitir por intermedio da Estacao Lisboa 2 da Emissora Nacional". – **INT.-SIG.:** Opens and closes with "March a da Mocidade Portuguesa".

EMISSORA LICEU DE PEDRO NUNES (Govt., Ministry of Education).
ADDR.: Av. Alvares Cabral, Lisboa. – **L.P.:** Dir.: Dr. Joao M. X. Lobo. Chief-Eng.: Dr. Carlos C. Guerra. Dir. Adm.: Francisco Salgueiro.
HOME SERVICE: Wed., Fri. 17.00–18.30. Sun. 10.00–12.00.
CSB56 6003 kc/s 49.97 m 0.15 kW.
ANN.: **In P.:** "Aqui Lisboa, Portugal, fala-vos a Estacao Emissora do Liceu de Pedro Nunes, a trabalhar com o seu emissor CSB56, no comprimento de onda de 49.9 metros, frequencia de 6003 quilociclos por segundo". **In E.:** "This is Lisbon, Portugal, the Pedro Nunes High School Radio Center, working with the transmitter CSB56 on the wavelength of 49.9 metres, frequency of 6003 kilocycles per second". – **INT.-SIG.:** normal LA (435 cycles/sec.). – **VER.** by QSL-card. – **F.PL.:** Installation of a FM station.

EMISSORES ASSOCIADOS DE LISBOA (Comm.).
R. Peninsular – R. Graca – R. Voz de Lisboa – Clube Radiofonico – R. Restauraçao.
CSB 1594 kc/s 188 m 1 kW 07.00–24.00 (Sun. 06.00–24.00).
R. Voz de Lisboa – ADDR.: Rua Voz do Operario 64, Lisboa. – **L.P.:** Dir.: Dr. Fernando Laranjeira. – **ANN.:** "Esta é a Voz de Lisboa, con séde e estúdios na Rua da Voz do Operario 64 em Lisboa". **INT.-SIG.:** Gong. – **VER.** by QSL-card. – **F.PL.:** 10 kW.

EMISSORES DO NORTE REUNIDOS (Porto): Electro Mecanico. – Ideal Radio. – R. Porto. – R. Club do Norte: 1223 kc/s 245.2 m 1 kW: W.: 07.00–09.00, 11.00–23.00. Sun. 07.30–23.00.

RADIO RIBATEJO: 1322 kc/s 226.9 m 1 kW: W.: 10.00–14.00, 18.00–20.00. Sun. 10.00–20.00.

RADIO ALTO-DOURO: 800 kc/s 375 m 1 kW. 12.00–14.00, 18.00–21.00.

★ RUMANIA ★

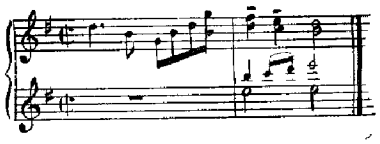
Local Time: 2 h. ahead of GMT. – **Language:** Rumanian.
RADIODIFUZIUNEA ROMINA (Govt.).
ADDR.: str. A. St. Popov Nr. 62, Bucuresti, Republica Populara Romina. – **Cable:** Radiodifuziunea.

HOME SERVICE

FIRST PRGR.:

	kc/s	m	kW	h. of tr.
Stalin	155	1935	150	W. 03.00–22.00. Sun. 04.00–22.00
Timisoara II	557	540	150	W. 12.45–16.00. Sun. 12.00–15.15
Timisoara I	755	397	50	W. 03.00–03.55[1]), 04.45–12.45 Sun. 04.00–05.30, 06.30–07.45, 08.50–12.00
Bucuresti I	854	351	150	W. 03.00–12.00
Craiova	1457	206	20	W. 12.00–17.00, 18.00–22.00, Sun. 04.00–22.00
Bucuresti II	1484	202		W. 12.00–22.00. Sun. 04.00–22.00

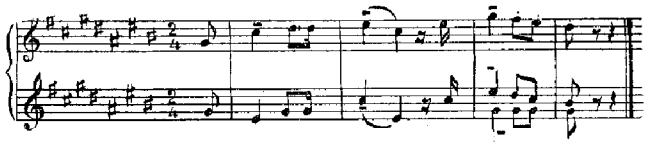
N.: W.: 03.00, 05.00, 11.00, 13.30, 16.30, 21.30. Sun.: 04.30, 11.00, 21.00. – **Mailbag:** "Gazeta-Radio" D. 17.30. – "Good morning children" D. 05.15. – **Time-Sig.:** W.: 03.00–05.00 every 10 mins. 05.00–22.00 every h. Sun.: 04.00–09.00 every h., 09.00–22.00 every two h. – **Weatherrep.:** W.: 05.00, 15.30, 21.00. Sun. 21.00 after N. – **Waters level on Danube:** D. 12.30 (Sun. 11.45) in Rumanian, Russian, French. – **Prgr. Preview:** D. 17.45.
INT.-SIG.:



SECOND PRGR.:

	kc/s	m	kW	h. of tr.
Timisoara II	557	540	150	W. 16.00–22.00[3]) Sun. 15.15–22.50
Timisoara I	755	397	50	W. 12.45–14.45[2]) Sun. 12.00–17.00
Bucuresti I	854	351	150	W. 12.00–22.00[3])
Bucuresti II	1052	285	5	W. 12.00–22.00[3]) Sun. 05.00–22.30
Oradea	1151	261	20	W. 12.00–13.00, 14.00–14.45[2]), 17.00–22.00[3]). Sun. 05.00–06.20, 08.50–22.50.

[1]) Tues., Thurs., Sat. 04.25. [2]) Thurs. 14.15. [3]) Sat. 22.50.
N.: W.: 13.00, 14.00, 20.00. Sun.: 05.50, 12.00, 13.30, 20.00.
Prgr. Preview: D. 12.00.
INT.-SIG.:

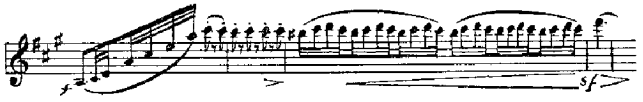


PRGR. IN LANGUAGES OF NATIONAL MINORITIES IN RUMANIA:
German: On 755/1151 kc/s: W. 15.15–16.00. Sun. 08.30–08.50. Mo. 15.30–16.00 (for children).
Hungarian: On 755/1151 kc/s: W.: 04.24–04.45, 14.45–15.15, Mo. on 1151 kc/s 16.00–17.00 (1151 kc/s only). Sun. 07.45–08.30. For children: Thurs. 14.15–14.45, Sun. 08.05–08.30.
Serbian: On 755 kc/s Mo., Wed., Fri. 03.55–04.25. Sun.: 05.30–06.00 (for countrymen), 06.00–06.30 (for children).
ANN.: **Home Sce.:** At opening: "Aici Bucuresti! Dragi ascultatori,. buna dimineata. Transmitem Programul I". National Anthem. At Closing: "Aici Bucuresti! Dam ora exacta (with signal) A fost ora... Emisiunea noastra s-a terminat. Ascultati din noi miine dimineata la ora 5.30 Programul I! Dragi ascultatori, noapte buna".

FOREIGN SERVICE

STATIONS:
5980 kc/s 50.17 m – 9254 kc/s 32.43 m – 9570 kc/s 31.35 m – 11937 kc/s 25.13 m – 15250 kc/s 19.67 m – 755 kc/s 155 kc/s.
German:
18.00–18.30 on 9254, 5980, 755 kc/s.
19.00–19.30 on 11937, 9570 kc/s.
22.00–22.30 on 5980, 9254, 5980, 155 kc/s.
English for Gr. Britain:
19.30–20.00 on 11937, 9570, 9254, 5980 kc/s.
22.30–23.00 on 11937, 9570, 155 kc/s.
English for U.S.A.:
03.00–03.30 on 11937, 9570 kc/s.
04.30–05.00 on 11937, 9570 kc/s.
Spanish:
21.30–22.00 on 11937, 9570 kc/s.
00.00–00.30 on 15250 kc/s.
02.30–03.00 on 9570 kc/s.
04.00–04.30 on 15250, 11937 kc/s.

French:
18.00–18.30 on 11937, 9570 kc/s.
20.30–21.00 on 11937, 9570, 9254, 5980 kc/s.
22.00–22.30 on 11937, 9570 kc/s.
Greek:
17.00–17.30 on 11937, 9570 kc/s.
18.30–19.00 on 9254, 5980, 755 kc/s.
21.30–22.00 on 9254, 5980 kc/s.
Italian:
17.30–18.00 on 11937, 9570, 9254, 5980 kc/s.
20.00–20.30 on 11937, 9570, 9254, 5980 kc/s.
22.00–22.30 on 755 kc/s.
Russian:
16.30–17.00 on 9254, 5980 kc/s.
Serbian:
17.00–17.30 on 9254, 5980 kc/s.
19.30–20.00 on 755 kc/s.
Yiddish:
18.30–19.00 on 11937, 9570 kc/s.
Yiddish for U.S.A.:
02.00–02.30 on 9570 kc/s.
Rumanian for U.S.A.:
23.15–23.56 on 15250 kc/s.
03.30–04.00 on 11937, 9570 kc/s.
21.00–21.30[1]) on 11937, 9570, 9254, 5980 kc/s.
22.30–23.00[1]) on 9254, 5980, 755 kc/s.
[1]) Mo., Thurs., Fri., Sun.
Concerts: Tues., Wed., Sat.:
16.00–17.00 on 11937, 9570 kc/s.
22.30–23.00 on 9254, 5980, 755 kc/s.
ANN.: English: "This is Bucharest calling. This is Bucharest calling on the 25, 31, 32 and 50 meter band that is on 1.1937, 9.570, 9.254 and 5980 kc/s respectively, with to-day's first broadcast in English." – **French:** "Ici Bucarest dans les bandes de...". – **Italian:** "Parla Bucarest! E'Bucarest che vi parla nella sua prima transmissione odierna sulle lunghezze d'onda di metri...". – **German:** "Hier ist der Bukarester Rundfunk. Hier ist der Bukarester Rundfunk mit der Sendung in deutscher Sprache. Sie hören uns auf Kurzwellen in 32 und 50 Meterband gleich 9.254 und 5.980 kHz und auf Mittelwelle 397 Meter gleich 755 kHz." – **Spanish:** "Habla Bucarest, Muy buenos noches, estimados oyentes. Radio Bucarest comienza su primera emission en lengua espanola, por campos de onda de...". – **INT.-SIG.:**



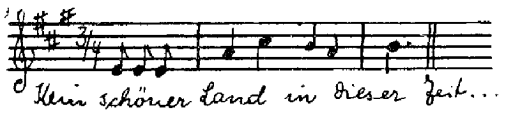
VER. by QSL-card or letter.
PUBLICATION: Programul de Radio (weekly).

★ SAAR ★

Local Time: 1 h. ahead of GMT. – **Languages:** German, French.
RADIO SAARBRÜCKEN (G.m.b.H.-private)
ADDR.: Wartburg, Martin Lutherstrasse 12, Saarbrücken. – **L.P.:** Dir. Gen.: Prof. H. M. Goergen. Dir. Tec.: Ing. F. Glasow.
HOME SERVICE in German:

1421 kc/s	211.1 m	20	kW	1st prgr.
96.0 mc/s	(FM)	3	–	2nd prgr.
98.9 mc/s	(FM)	0.25	–	2nd prgr.

1st Programme: Mo., Tues., Thurs., Fri.: 04.57–08.00 (08.10 or 08.30), 10.00–13.45 (or 14.00), 16.30–23.05. Wed., Sat.: 04.57–08.00, 10.00–23.05. Sun.: 04.57–23.05.
N.: 05.00(W), 06.00, 07.30(W), 07.00(Sun.), 11.00(Sun.), 11.45(W), 13.30(W), 17.00(W), 19.00, 21.00(Sun.), 21.30(W), 23.00.
2nd Programme (FM): W: 17.05–21.30. Sun.: 07.15–11.00, 16.15–21.30 (other times relay of m.w.)
News: Sun. 19.00, W. 18.30.
ANN.: "Saarländischer Rundfunk, Saarbrücken." – **INT.-SIG.:** Folksong "Kein schöner Land in dieser Zeit".



VER. by QSL-card.

EUROPE 1 (Comm.).
ADDR.: Télécompagnie 26 bis, rue Francois Ier, Paris 8e. – **L.P.:** Dir. Gen.: Louis Merlin. **Dir. Prgr.:** Pierre Delanoë, Lucien Morisse.
STATIONS: 182 kc/s, 1647 m, 400 kW: **D.Prgr.:** 05.30 (Sun. 06.00)–23.00. – **N.:** D. 06.30, 07.30 (Sun.), 11.40, 18.30, 22.55. – **Europe-Express:** W. 07.30, 09.30. – **Europe-Panorama:** D. 21.10 "Au Café de L'Europe": W. 18.00.
VER. by QSL-card. – **PUBLICATION:** Journal de Bord.

★ SPAIN ★

Local Time: 1 h ahead of GMT. **Language:** Spanish.
RADIO NACIONAL DE ESPANA (Govt.).
ADDR.: Castellana no. 42. Studios: Castellana no. 40 y Martinez de la Rosa no. 1, Madrid.
L. P.: Dir. Prgr. and Transmissions: Sr. D. Jose-Ramon Alonso. Dir. Tec.: Sr. D. Francisco Moyano. Dir. Tec. for new transmitters: Sr. D. Ernesto F. Marrero. Chief of Studios: Sr. D. Maximo Estevez. Dir. Spanish Prgr.: Sr. D. Victoriano F. de Asis. Dir. Foreign-Language Prgr.: Sr. D. Luis de Andres. Dir. Music: Sr. D. Enrique Franco. Dir. Coordination: Sr. D. Anibal Arias. Dir. Department for lower frequencies: Sr. D. Fermin Mestre. Adm.: Sr. D. Enrique Frax.

HOME SERVICE in Spanish:

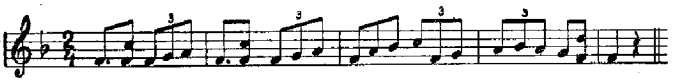
	kc/s	m	kW		kc/s	m	kW
Madrid-Arganda	585	513.7	150*)	Huelva	850	352.9	0.25
Madrid-Local	1025	292.5	5**)	Malaga	1000	300.0	5
Sevilla	638	470.5	5	Cuenca	1178	254.5	10
La Coruña	701	428	20	Valencia	1383	216.1	1
Barcelona	737	407	30	Malaga	6209	48.31	2.5
*) 2' Prgr. **) 1' and 3' Prgr.				Madrid	5990	50.08	100

FIRST PRGR.: On 1025/5990 kc/s: 07.00–12.00.
NATIONAL PRGR.: On 585 kc/s: 12.00–24.00. On 1025 kc/s: 12.00–21.15. On 5990 kc/s: 12.00–17.00.
THIRD PRGR.: On 1025 kc/s: 21.30–23.30.
INT.-SIG.: Campanitas. – Opening Tune: Cabalgata. Closes with National Anthem.

FOREIGN SERVICE
Madrid-Arganda: 50/100/200 kW.

6130 kc/s 48.94 m	9360 kc/s 32.04 m	11815 kc/s 25.39 m
7100 – 42.25 –	9678 – 31.00 –	15420 – 19.45 –

EUROPEAN SERVICE: 9695 kc/s 30.94 m
Bulgarian: 18.15–18.30 in 42-32-31 m.b. – **Czech:** 16.45–17.00 in 42-32-31 m.b. – **Croatian:** 17.00–17.15 in 42-32-31 m.b. – **English:** 20.20–20.50 in 42-49-32 m.b. – **Estonian:** 18.00–18.15 in 42-32-31 m.b. – **French:** 20.50–21.20 in 42-49 m.b. – **German:** 21.20–21.40 in 42-49 m.b. – **Hungarian:** 19.20–19.40 in 42-32-31 m.b. – **Italian:** 21.40–22.00 in 42-49 m.b. – **Latvian:** 17.15–17.30 in 42-32-31 m.b. – **Lithuanian:** 18.30–18.45 in 42-32-31 m.b. – **Rumanian:** 19.00–19.30 in 42-32-31 m.b. – **Russian:** 17.30–18.00 in 42-32-31 m.b. – **Slovak:** 18.45–19.00 in 42-32-31 m.b. – **Ukrainian:** 16.30–16.45 in 42-32-31 m.b.
OVERSEAS SERVICE:
Arabic: 13.30–14.00 in 19 m.b. 15.45–16.15 in 32 m.b. – **Chinese:** 11.45–12.15 in 25-19 m.b. – **English:** 03.15–04.00 (USA-Atlantic Coast), 04.15–05.00 (USA-Pacific Coast), 05.15–06.00 (USA-all States) in 49-32 m.b. – **Portuguese:** 22.15–22.45 to Brazil in 32-31-25 m.b. – **Spanish:** 22.15–03.00 to Latin America, 22.45–24.00 to Spains living in America in 32.04-32-25 m.b. – 11.00–11.45 to the Philippines in 32-25 m.b. – 11.30–12.00 to Spains living abroad in 50 m.b. and 293 m. – 15.45–16.20 to Guinea and W. Africa in 31 m.b. – 12.15–12.30 to Missionaries in the East in 25-19 m.b.
ANN.: "R. Nacional de España, Madrid" in different languages exc. for N. America Sce.: "The Voice of Spain".
INT.-SIG.: Gong and the following tune:



VER. by QSL-card or letter.

RED DE EMISORAS DEL MOVIMIENTO (R.E.M.)
(Broadcasting system of the Falange).
The Red de Emisoras del Movimiento belongs to the Secretaria National de Radiodifusion.
ADDR.: Red de Emisoras del Movimiento. – Ayala No. 15, Madrid. – **L. P.:** Pres. Council and National Delegate: D. Antonio F. de Correa Veglison. – National Secr.: D. José Luis Garcia Cseás. Dir. Prgr.: D. Antonio Castro Villacanãs.

Call		Name	kc/s	m	kw	Hours of transm.
EFE	1	LaVozdeValladolid	1300	230	1	11.00–24.00, Sun. 00.30
EFE	2	Radio Teruel	1500	200	2	13.00–15.30, 21.00–24.00
EFE	4	Radio Palencia	1415	212	1	13.00–17.00, 20.00–24.00
EFE	5	La Voz de Leon	1190	252	1	11.30–16.30, 19.30–00.30
EFE	6	Radio Cáceres	1500	200	1	13.00–16.00, 19.30–00.30
EFE	7	Radio Denia	1403	213	0.4	12.30–16.00, 19.30–23.30
EFE	8	La Voz de Alicante	1300	230	2	12.00–00.30, Sun. 11.00–00.30

Spain

Call	Name	kc/s	m	kw	Hours of transm.
EFE 9	Radio Villafranca del Panadés	1300	231	1	13.00–15.00, 20.00–23.00
EFE 10	Radio Alava	1550	194	0.2	10.00–16.00, 18.00–24.00
EFE 11	Radio Utiel	1425	210	0.2	13.00–16.00, 21.00–24.00
EFE 12	Radio Monovar	1575	190	0.1	12.30–16.00, 19.30–24.00
EFE 13	Radio Sagunto	1440	208	1	11.00–16.00, 19.00–24.00
EFE 14	La Voz de Madrid	1223	245	20	09.00–01.00
EFE 15	Radio Ferrol	1376	218	0.25	12.15–16.00, 20.00–24.00
EFE 16	Radio Puigcerdá	1500	200	0.2	12.00–16.00, 18.00–22.15
EFE 17	Radio Alerta	1525	197	5	11.00–01.00
EFE 18	Radio Jativa	1500	200	0.5	12.00–15.00, 19.45–23.00
EFE 20	Radio Ripoll	1200	250	0.1	21.00–23.00, Sun. 13.00–15.00, 21.00–23.00
EFE 21	Radio Cazorla	1500	200	0.1	15.00–17.00, Thurs., Sun.
EFE 22	Radio Oviedo	1408	213	5	10.30–24.00, (Sun. 12.30–24.00)
EFE 23	La Voz de Guipuzcoa	728	412	5	11.00–16.00, 20.00–24.00
EFE 24	Radio Orihuela	1400	214	0.2	12.00–16.00, 18.00–24.00
EFE 25	Radio Cantabria (Santander)	1398	210	1	11.30–24.00
EFE 26	Radio Luarca	1435	210	0.4	12.00 15,00. 20.00 22.00
EFE 27	Radio Maresma de Mataré	1442	208	0.2	12.30–15.00, 19.00–23.00
EFE 28	Radio Tortosa	1500	200	0.5	13.00–15.30, 19.30–23.00
EFE 29	Radio Tudela	1500	200	2	13.00–15.00, 20.00–21.00
EFE 32	Radio Avila	1255	239	1	13.00–16.30, 20.00–23.00
EFE 33	Radio Tarragona	1570	191	0.2	12.00–16.00, 19.00–24.00
EFE 34	Radio Atlántico (Las Palmas)	1500	200	2	11.00–15.00, 19.00–24.00
EFE 35	Radio Terrega	1500	200	0.4	13.00–15.00, 19.30–23.00
EFE 38	Radio Badajoz	1500	200	2	11.00–15.00, 19.00–24.00
EFE 39	Radio Berga	1442	208	0.2	12.00–15.05, 19.00–23.00
EFE 40	La Voz de la Costa Brava (Palamós)	1408	213	0.4	12.00–16.30, 20.00–24.00
EFE 42	Radio Sueca	1475	203	0.5	12.00–16.00, 19.30–24.00
EFE 43	Radio Requena	1490	201	0.5	13.00–16.00, 21.00–24.00
EFE 44	Radio Picasent	1530	196	0.1	12.00–16.00, 19.30–23.30
EFE 45	La Voz de Granada	1400	214	0.1	12.00–16.00, 20.00–22.00
EFE 46	Radio Guadasuar	1300	231	0.1	13.00–15.00, 19.00–23.00
EFE 47	Radio Cullera	1480	203	0.2	13.00–16.00, 20.00–24.00
EFE 48	Radio Carlet	1535	195	0.4	12.30–15.30, 20.00–23.00
EFE 49	Radio Chelva	1325	226	0.1	13.00–15.00, 21.00–23.00
EFE 50	Radio Hospitalet	1034	290	1	12.00–24.00
EFE 51	Radio Mora de Ebro	1500	200	0.1	13.00–15.00, 20.00–23.00
EFE 52	Radio Vendrell	1370	217	0.1	12.30–15.30, 20.30–23.30
EFE 53	Radio Roda de Ter	1350	222	0.1	13.00–15.00, 20.00–22.00
EFE 54	Radio Cardona	1500	200	0.1	13.30–15.00, 20.00–22.00
EFE 55	Radio Vich	1550	193	0.6	12.00–16.00, 19.00–23.30
EFE 56	Radio Blanes	1250	240	0.2	12.30–16.00, 20.00–23.00
EFE 59	Radio Manises	1200	250	0.3	12.00–16.00, 19.00–24.00
EFE 60	Velez Rubio	1376	218	0.2	14.00–17.00, 20.00–22.00
EFE 61	Radio Adra	1500	200	0.1	13.30–16.00, 20.30–23.00
EFE 62	Radio Berja	1875	160	0.1	13.30–16.00, 20.00–23.00
SHORT WAVE		kc/s	m	kW	
EFE 1	La Voz de Valladolid	7005	42.83	0.5	11.00–24.00 (Sun. 00.30)
EFE 3	La Voz de la Falange Madrid	7380	40.06	5	19.20–21.30, 23.00–01.00
EFE 5	La Voz de Léon	6933	43.27	0.5	10.00–16.00, 18.00–23.30

Main Stations of the R.E.M.: EFE 14 La Voz de Madrid. – **L.P.**: Dir. Teodoro Delgado Pomata. Dir. Prgr.: M. Garcia. Directors: EFE 1: A. Santiago; EFE 4: E. Gónzalez; EFE 5: Julio del Caño; EFE 6: N. Puig; EFE 7: J. Sanz; EFE 8: J. L. Ferrer; EFE 9: A. Chulvi; EFE 10: R. Gutierrez; EFE 15: J. M. López; EFE 16: J. Vinyet; EFE 17: V. Beta; EFE 22: F. Arias de Velasco; EFE 25: F. Cáceres; EFE 33: J. M. Tarrasa; EFE 50: C. Gómez.

ANN.: "EFE... La Voz de..." or "Radio... de la Red de Emissoras del Movimiento."
INT.SIG.:

VER. by letter.
The schoolstations of the Youth (del Frente de Juventudes) listed below also belong to the Red de Emisoras del Movimiento (R.E.M.).

LA VOZ DE LEON: Addr.: Emissora "La Voz de Leon" EFE5, Ordoño II 28, Leon. – **L. P.**: Dir. Julio del Caño Herreras. Dir. Prgr.: Antonio Lopez de Prado. Dir. Inf.: J. L. Perez Pereletegui. – **Home Service**: EFE5 6933 kc/s 43.27 m 0.5 kW: 10.00–16.00, 18.00–23.30. – **Nat. Music**: D.: 13.10, 19.35. Thurs. 20.00. Sun.: 12.00, 22.00. – **N.**: 13.20, 15.00, 20.50, 23.20. – **Weatherrep.**: 10.45, 13.40. – **Time-Sig.**: 13.30, 21.00.

SERVICIO NACIONAL DE RADIODIFUSION Y CINE DEL FRENTE DE JUVENTUDES.

Organization: For the educational work of Radio and Film in Spain and for the training of people engaged with Radio and Film. – **L. P.**: Dir. of the Service: D. Anibal Arias Ruiz. Gen. Secr.: D. German Bonet Marco. Chief-Eng.: D. Francisco Diaz Gúerra. Chief Techn. Dept.: D. Manúel Sanz Sagredo. Dir. Prgr.: D. Francisco Ruiz Púertas. Chief Public Relation: D. Manúel Rodrigúez Zúasti. Chief Editor: D. Ignacio Hilario de la Mota Oreja. Organiser: D. Enrique Dominguez Millan.

ADDR.: Diego de Leon 49, Madrid.

SCHOOL-STATIONS: A network of 60 school-stations used for ordinary broadcasting and for a three years training of professionals for Radio (Speakers, actors, lecturers, engineers, programme controllers, organisers, directors).

DIRECTORS: No. 1, D. Anibal Arias Ruiz; no. 2, Unknown; no. 5, D. Emilio de la Cruz Hermosilla; no. 6, D. Miguel Gimenez Garcia; no. 8, D. Gerardo Alvarez Vidal; no. 9, D. Amador Rodrigues; no. 10, D. Salvador Castell Frasquet; no. 11, D. Joaquin Alberto Tabernero; no. 12, D. Joaquin Ros Canals; no. 15, D. Pablo de Sárraga Samper; no. 16, D. Tomás Rabanal Brito; no. 17, D. Blas Gavidia Avila; no. 19 D. Luis Alvarez Pastor; no. 22, D. Andrés Casasnovas; no. 23, D León Cuenca Enguidanos; no. 28, D. José Comino Arroyo; no. 31, D. Manuel Herrero Garcia; no. 33, D. Pedro Hernandez Huertado; no. 35, D. José Maria Llavata Cuevas; no. 43, D. Constantino Jimenez Fernandez; no. 46, D. José Manuel Sierra Rodriguez; no. 55, D. Salvador Carrasco; no. 59, D. Carlos Mateo Santos;

STATIONS:

Calle	kc/s	m	kW	Name of Station
EFJ1	1106	271.0	0.8	R. Juventud de España
EFJ2	1450	207	0.8	R. – – Soria
EFJ5	1048	213	0.8	R. – – Cadiz
EFJ6	7281	41.20	0.04	R. – – Almansa
EFJ8	7100	42.20	0.015	R. – – Ribadavia
EFJ9	1367	219.45	0.8	R. – – Guadalajara
EFJ10	1300	199.73	0.8	R. – – Algemesi
EFJ11	1205	248.96	0.5	R. – – La Coruña
EFJ12	1349	222.4	0.5	R. – – Sabadell
EFJ15	836	358.85	1.	R. – – Barcelona
EFJ16	7140	42.01	0.060	R. – – Mérida
EFJ17	7260	41.43	0.045	R. – – Ayora
EFJ19	1307	229.56	0.8	R. – Murcía
EFJ22	1392	215.2	0.8	R. – Menorca
EFJ23	1360	260	0.8	R. – Albacete
EFJ25	1304	230	0.8	R. – Almeria
EFJ28	1595	215	0.8	R. – de Baza
EFJ31	1250	240	0.8	R. – – Balaguer
EFJ33	1511	198.54	0.8	R. – – Villena
EFJ35	1106	270	0.8	R. – – Burjasot
EFJ43	1250	240	2	R. – – Vizcaya
EFJ46	1390	219	2	R. – – Zaragoza
EFJ55	1429	209.9	1	R. – – Campo de Gibraltar
EFJ59	1480	219.45	0.2	R. – – Ciudad Rodrigo

+ 36 low power stations less 0.5 kW.

D.PRGR. consist of cultural and educational prgrs, information service about the youth-work, actualities and entertainment.

ANN.: "Habla RADIO JUVENTUD DE..... Estacion Escuela no. ... de la Cadena Azul del Frente de Juventudes".
SINTONIA: Juventud Española", march-song of del Frente de Juventudes. – **INT.-SIG.**: Two blows by trumpet.
PUBLICATIONS: "Cine – Radio – Television", monthly, 100 pages.

SOCIEDAD ESPANOLA DE RADIODIFUSION (Comm.).

ADDR.: Av. de Jose Antonio num. 32, Apt. 745, Madrid.
Cable: SER, Madrid. – **L.P.**: Pres.: Don Antonio Garrigues y Diaz-Cañabate. Dir. Gen.: Virgilio Oñate Sanchez. Dir. Tec.: D. Francisco Martinez Gonzales. Dir. Prgr.: D. Manuel Aznar. Dir. Adm.: Don Pedro Estaun Ipiens. Dir. Transm.: D. Manuel Rodriguez Cano. Dir. Information and Promotion: Srta. Maria Josefa Rubio.

HOME SERVICE (National Service) in Spanish:

Name	Call.	kc/s	m	kW	Hours of Transmission
R. Madrid	EAJ7	683	439.2	15	07.00–24.00
R. Barcelona	EAJ1	809	370.8	10	06.15–24.00
R. Valencia	EAJ3	1259	238.3	5	07.00–24.00
R. Galicia***)	EAJ4	1448	207.2	1	12.30–23.00
R. Sevilla	EAJ5	800	375.0	5	07.30–24.00
R. S. Sebastian	EAJ8	1025	292.7	5	08.00–23.30
R. Reus	EAJ11	1412	212.5	1	11.00–23.00
R. Bilbao	EAJ28	1133	264.8	2.5	09.00–23.30
R. Alicante	EAJ31	1448	207.2	1	10.00–23.30
R. Alcira	EAJ54	1493	200.9	0.2	09.00–23.30
R. Mediterraneo		6995	42.89	1	11.00–15.00, 18.00–23.30

RADIO NACIONAL DE ESPANA

HABLA PARA EL MUNDO

HORAS IN GMT.

En chino:	De 11,45 a 12,15 horas por 25 y 19 metros
En árabe:	De 13,30 a 14,00 horas por 19 metros y de 15,45 a 16,15 horas por 32,04 metros.
En ucraniano:	De 16,30 a 16,45 horas por 42,32 y 31 metros.
En czeco:	De 16,45 a 17,00 horas por 42,32 y 31 metros.
En croata:	De 17,00 a 17,15 horas por 42,32 y 31 metros.
En letón:	De 17,15 a 17,30 horas por 42,32 y 31 metros.
En ruso:	De 17,30 a 18,00 horas por 42,32 y 31 metros.
En estoniano:	De 18,00 a 18,15 horas por 42,32 y 31 metros.
En búlgaro:	De 18,15 a 18,30 horas por 42,32 y 31 metros.
En lituano:	De 18,30 a 18,45 horas por 42,32 y 31 metros.
En eslovaco:	De 18,45 a 19,00 horas por 42,32 y 31 metros.
En rumano:	De 19,00 a 19,30 horas por 42,32 y 31 metros.
En húngaro:	De 19,20 a 19,40 horas por 42,32 y 31 metros.
En polaco:	De 19,40 a 20,10 horas por 42,32 y 31 metros.
En inglés:	(Para Inglaterra): De 20,20 a 20,50 horas por 42,49 y 32 metros. (Para Estados Unidos. Costa Atlántica): De 3,15 a 4,00 horas por 32 y 49 metros. (Para Estados Unidos. Costa del Pacífico): De 4,15 a 5,00 horas por 32 y 49 metros. (Para Estados Unidos. General para los Estados): De 5,15 a 6,00 horas por 32 y 49 metros.
En francés:	De 20,50 a 21,20 por 42 y 49 metros.
En alemán:	De 21,20 a 21,40 horas por 42 y 49 metros.
En italiano:	De 21,40 a 22,00 horas por 42 y 49 metros.
En portugués:	(Para Brasil): De 22,15 a 22,45 por 32,04, 32 y 25 metros.
En español:	(Para Hispanoamérica): De 22,15 a 3,00 horas por 32,04, 32 y 25 metros. (Para españoles residentes en América): De 22,45 a 24,00 horas por 32,04, 32 y 25 metros. Para Filipinas de 11,00 a 11,45 horas por 25 y 32 metros. (Para los españoles residentes en el extranjero) De 11,30 a 12,00 por 50 metros y 293 metros. (Para Guinea y África Occidental): De 15,45 a 16,20 horas por 31 metros. (Para los Misioneros en Oriente): De 12,15 a 12,30 horas por 25 y 19 metros.

Treinta y cuatro servicios informativos, en veinte idiomas, llevan asi a todos los paises LA VOZ DE ESPANA.

RADIO NACIONAL DE ESPANA

SPEAKS TO THE WORLD

TIMES IN GMT.

In Chinese:	From 11,45 to 12,15 on 25 and 19 m.
In Arabic:	From 13,30 to 14,00 on 19 m and from 15,45 to 16,15 on 32,04 m.
In Ukranian:	From 16,30 to 16,45 on 42,32 and 31 m.
In Czech:	From 16,45 to 17,00 on 42,32 and 31 m
In Croatian:	From 17,00 to 17,15 on 42,32 and 31 m.
In Latvian:	From 17,15 to 17,30 on 42,32 and 31 m.
In Russian:	From 17,30 to 18,00 on 42,32 and 31 m.
In Esthonian:	From 18,00 to 18,15 on 42,32 and 31 m.
In Bulgarian:	From 18,15 to 18,30 on 42,32 and 31 m.
In Lithuanian:	From 18,30 to 18,45 on 42,32 and 31 m.
In Slovac:	From 18,45 to 19,00 on 42,32 and 31 m.
In Rumanian:	From 19,00 to 19,30 on 42,32 and 31 m.
In Hungarian:	From 19,20 to 19,40 on 42 32 and 31 m.
In Polish:	From 19,40 to 20,10 on 42,32 and 31 m.
In English:	(to Gt. Britain): From 20,20 to 20,50 on 42,49 and 32 m. (to USA, Atlantic Coast: From 03,15 to 04,00 on 32 and 49 m. (to USA, Pacific Coast): From 04,15 to 05,00 on 32 and 49 m. (to USA all States): From 05,15 to 06,00 on 32 and 49 m.
In French:	From 20,50 to 21,20 on 42 and 49 m.
In German:	From 21,20 to 21,40 on 42 and 49 m.
In Italian:	From 21,40 to 22,00 on 42, and 49 m
In Portuguese:	(to Brazil): From 22,15 to 22,45 on 32,04, 32 and 32 m.
In Spanish:	(to Latin America): From 22,15 to 03,00 on 32,04, 32 and 25 m. (to Spains living in America): From 22,45 to 24,00 on 32,04, 32 and 25 m. (to the Philippines): From 11,00 to 11,45 on 25 and 32 m. (to Spanish living abroad): From 11,30 to 12,00 on 50 m and 293 m. (to Guinea and West Africa): From 15,45 to 16,20 on 31 m. (to Missionaries in the East): From 12,15 to 12,30 on 25 and 19 m.

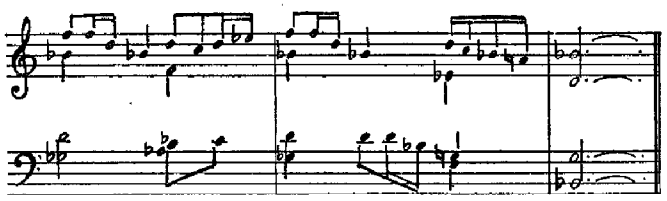
THE VOICE OF SPAIN brings thirtyfour informatory broadcasts in twenty languages to all countries.

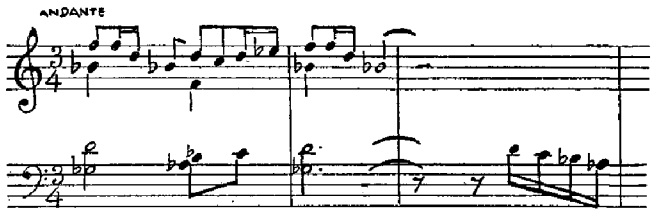
ASSOCIATED STATIONS:

R. Tanger Internat.		1079	278.0	10	10.00–24.00
R. Mallorca (Palma de Mallorca)	EAJ13	1430	209.8	5	08.00–22.30
R. Castellón	EAJ14	1502	199.7	0.5	11.00–15.00, 17.00–23.00
R. Granada	EAJ16	1448	207.2	1	08.00–24.00
R. Murcia	EAJ17	1511	198.5	0.2	08.00–24.00
R. Rioja (Logroño)	EAJ18	1487	202.2	1	11.00–15.00, 18.00–23.00
R. Huesca	EAJ22	1475	203.4	0.2	12.00–15.00, 19.00–23.00
R. Gandia	EAJ23	1412	212.5	0.2	10.00–16.00, 18.00–23.00
R. Castilla (Burgos)	EAJ27	1448	207.2	9	12.30–15.00, 19.00–23.00
R. Santander	EAJ32	1484	202.2	0.2	11.00–23.00
R. Pontevedra	EAJ40	1493	200.9	1	12.00–15.30, 19.30–23.00
R. Coruña	EAJ41	1295	231.7	1	13.00–23.00
R. Albacete	EAJ44	1493	200.9	0.4	09.00–23.00
R. Valladolid	EAJ47	1475	203.4	0.2	11.30–23.30
R. Las Palmas	EAJ50	1313	228.5	0.2	10.30–23.00
R. Extremadura*)	EAJ52	1484	202.2	1	12.30–15.00, 18.30–23.00
R. Salamanca	EAJ56	1331	225.4	1	12.00–23.00
R. Jerez**)	EAJ58	1492	201.1	0.2	12.00–15.00, 17.00–23.00
R. Jaen	EAJ61	1450	207.0	1	12.00–15.00, 17.30–23.00
R. Vitoria	EAJ62	1385	216.6	1	09.00–23.00
R. Segovia	EAJ64	1502	199.7	0.8	12.00–15.00, 19.00–23.00
R. Ciudad Real	EAJ65	1493	200.9	0.2	12.00–15.00, 17.30–23.00
R. Zamora	EAJ72	1375	218.0	0.2	12.00–23.00

*) Badajoz. **) Jerez de la Frontera. ***) Santiago Compostela. The prgr.s of Sociedad Española are relayed by all the stations at the following hours: 19.00–19.30 (Mo. to Fri.), 20.00–20.53 (Tues. to Sat.), 21.30–22.30 (Tues., Thurs., Fri.), 21.30–24.00 (Sat.), 16.00–19.00 (Sun.).

ANN.: Sp.: "Esta es la Sociedad Española de Radiodifusion por su Emisora EAJ...". E.: "This is the Spanish Broadcasting Society...". INT.-SIG.:





VER. by letter. – PUBLICATION: "ONDAS" an illustrated fortnightly journal.

COMPANIA DE RADIODIFUSION INTERCONTINENTAL (Comm.)

ADDR.: Diego de Leon, 50 Madrid. Cable: "Ondatlantica."
L.P.: Sr. Don Valentin Ruiz Senén. Excmo.: Sr. Don Ramon Serrano Suñer. Dir.: Don Dionisio Ridruejo.

HOME SERVICE:
Madrid 953 kc/s 314.6 m 15 kW: 12.00–24.00.

ANN.: "Aqui Madrid Emisora Radio Intercontinental." – INT.SIG.: Opens and closes with "Pan y Toros."

AFFILIATED STATIONS:

R. Alcoy	1490 kc/s	201 m	0.8 kW		12.00–23.00
R. Algeciras	1500 –	200 –	0.2 –		12.00–23.00
R. Levante Alicante	7940 –	37.78 –	1.2 –		12.00–23.00
R. Almeria	1493 –	201 –	0.2 –		12.00–23.00
R. Caceres	1500 –	200 –	1 –		13.00023.00
R. Cadiz	1495 –	201 –	0.2 –		13.00–23.30
R. Córdoba	1447 –	207 –	0.2 –		12.00–22.30
R. España Barcelona	1123 –	267 –	3 –		11.30–14.00 16.00–17.30 18.30–22.00
R. España Gerona	1449 –	207 –	0.2 –		12.00–23.00
R. Gijon	1492 –	201 –	0.2 –		12.00–22.30
R. Huelva	850 –	352 –	2 –		13.00–23.00
R. Lérida	1492 –	201 –	0.2 –		12.00–23.00
R. Linares	1492 –	201 –	0.2 –		12.00–22.30
R. Lugo	1500 –	200 –	0.2 –		13.00–23.00
R. Malaga	989 –	308 –	8 –		12.00–24.00
R. Manresa	1492 –	201 –	0.2 –		12.00–23.00
R. Melilla	1492 –	201 –	0.2 –		12.00–23.00
R. Onteniente	1500 –	200 –	0.5 –		12.00–23.00
R. Orense	1492 –	200 –	0.2 –		13.00–22.30
R. Asturias Oviedo	1258 –	238 –	0.35 –		12.00–23.00
R. Palencia	1543 –	195 –	0.2 –		12.30–23.30
R. Rioja Logroño	1500 –	200 –	0.2 –		12.00–23.00
R. Tarragona	1579 –	190 –	0.2 –		12.00–23.00
R. FET Valladolid	1448 –	207 –	2 –		11.30–14.00 19.00–22.00
R. Vigo	1492 –	201 –	0.2 –		12.30–23.00
R. Vitoria	1500 –	200 –	0.2 –		12.00–23.00
R. Zaragoza	872 –	344 –	30 –		08.00–09.00 12.00–14.30 18.00–23.00
R. Andorra	998 –	301 –	60 –		11.00–23.00
R. Africa Maghreb	593 –	506 –	1.25 –		07.00–09.00 11.00–13.30 19.00–20.30
R. Africa	935 –	321.0 –	12 –		07.00–23.30
R. Renascença Lisboa	6154 –	48.74 –	0.6 –		12.00–15.00
R. Renascença Oporto	1169 –	256.6 –	1 –		18.30–24.00

RADIO ESPANA

ADDR.: Manuel Silvela, 9, Madrid.
L.P.: Dir.: D. M. A. Hernan. Dir. Tec.: D. L. Cáceres.
HOME SCE: Madrid EAJ2 854 kc/s 351.2 m 3.5 kW: 07.00–23.30.
ADDR.: Rambla de los Estudios 8, Barcelona.
HOME SCE.: EAJ15 1124 kc/s 266.9 m 3 kW: 12.30–23.00.

★ SWEDEN ★

Local Time: 1 h. ahead of GMT. – **Language:** Swedish.

SWEDISH BROADCASTING CORPORATION (Non-comm., semi-govt. broadcasting corporation).

ADDR.: A/B "Radiotjänst", Stockholm 7.
L.P.: Chairman Board of Governors: Per Eckerberg. Dir. Gen.: Olof Rydbeck. Deputy Dir. Gen.: Sven Jerring. Dir. of Prgr. Radio: Nils-Olof Franzén. Dir. Prgr. TV: Henrik Hahr. Dir. Adm.: Erik Mattson. Dir. Tec. Radio and TV: Johan von Utfall. Dir. Music: Nils Castegren. Dir. Drama: Herbert Grevenius. Dir. Publications Dept.: Manne Ginsburg. Dir. Spoken Word: Nils-Erik Baehrendtz. Head of Press and Information: Philip von Krusenstierna. Head External Relations: Karin Bergman.

The E. B. U. Bulletin

is the best and the most up-to-date of all international publications dealing with broadcasting and television.

It appears every two months.

ADMINISTRATIVE OFFICE OF THE E. B. U.
1, rue de Varembé GENEVA (Switzerland)

The REPORT (on short wave reception) and the REPORT (on medium and long wave reception) in the European broadcasting are *published by the*

TECHNICAL CENTRE OF THE E. B. U.
4, rue de la Vallée BRUSSELS (Belgium)

are the best documented and the most objective reports of this nature.

Le Bulletin de l' U. E. R.

est le mieux et le plus complètement renseigné de tous les périodiques internationaux de radiodiffusion et de télévision

Paraît tous les deux mois

OFFICE ADMINISTRATIF DE L'U. E. R.
1, rue de Varembé GENÈVE (Suisse)

Les RAPPORTS d'ECOUTE (ondes courtes) (ondes moyennes et longues dans la Zone européenne de radiodiffusion)

édités par le

CENTRE TECHNIQUE DE L'U. E. R.
4, rue de la Vallée BRUXELLES (Belgique)

sont les plus documentés et les plus objectifs.

RED DE EMISORAS DEL MOVIMIENTO (R. E. M.)

ADDRESS: Ayala 15 – MADRID – SPAIN

NUESTRA CADENA ESTA FORMADA POR LAS SIGUIENTES EMISORAS

EMISORAS CENTRALES

EFE 14, LA VOZ DE MADRID
Ayala 15, Madrid

EFE 3, LA VOZ DE LA FALANGE
Ayala 15, Madrid

SECTOR NORTE Y CASTILLA

EFE 23 **La Voz de Guipozcao**
Victor Pradera 12. – San Sebastián.

EFE 22 **Radio Oviedo**
Asturias 9. – Oviedo.

EFE 26 **Radio Luarca**
Luarca (Asturias).

EFE 15 **Radio Ferrol**
General Franco 138. El Ferrol del Caudillo (La Coruña).

EFE 4 **Radio Palencia**
Becerro de Bengoa. Palencia.

EFE 25 **Radio Cantabria**
Pasaje del Arcillero 2. Santander.

EFE 57 **La Voz de Navarra**
Pamplona.

EFE 10 **Radio Alava**
Calvo Sotelo 34. Vitoria.

EFE 5 **La Voz de Leon**
Ordoño II 28. León.

EFE 1 **La Voz de Valladolid**
Angustias 1. Valladolid.

SECTOR CATALUÑA

EFE 33 **Radio Tarragona**
Rambla del Generalísimo 77. Tarragona.

EFE 52 **Radio Vendrell**
Vendrell (Tarragona).

EFE 51 **Radio Mora de Ebro.**
Valle 9. Mora de Ebro (Tarragona).

EFE 55 **Radio Vich «La Voz de Ausona».**
Vich (Barcelona).

EFE 53 **Radio Roda de Ter.**
Bach 43. Roda de Ter (Barcelona).

EFE 40 **La Voz de la Costa Brava.**
Ave María 3. Palamós (Gerona).

EFE 16 **Radio Puigcerdá. «La Voz de la Cerdaña».**
Plaza Mayor 19. Puigcerdá (Gerona).

EFE 50 **Radio Hospitalet. «La Voz de Cataluña».**
Plaza de la Universidad 3. Barcelona.

EFE 9 **Radio Villafranca.**
Plaza del Generalísimo 13. Villafranca del Panadés (Barcelona).

EFE 54 **Radio Cardona.**
Plaza del Generalísimo 5. Cardona (Barcelona).

EFE 39 **Radio Berga.**
Plaza de San Pedro 9. Berga (Barcelona).

EFE 56 **Radio Blanes.**
Mercaderes 4. Blanes (Gerona).

SECTOR LEVANTE

EFE 17 **Radio Alerta. «La Voz de Levante».**
Pascual y Genis 27. Valencia.

EFE 42 **Radio Sueca.**
Plaza de los Reyes Católicos 9. Sueca (Valencia).

EFE 59 **Radio Manises.**
Valencia 4. Manises (Valencia).

EFE 13 **Radio Sagunto.**
Comandante Padin Arnaiz 7. Sagunto (Valencia).

EFE 43 **Radio Requena.**
Villajoyosa 3. Requena (Valencia).

EFE 18 **Radio Játiva.**
Moncada 14. Játiva (Valencia).

EFE 48 **Radio Carlet.**
Maestro Martínez 1. Carlet (Valencia).

EFE 11 **Radio Utiel.**
Alamos 4. Utiel (Valencia).

EFE 46 **Radio Guadasuar.**
Santa Lucía 11. Guadasuar (Valencia).

EFE 47 **Radio Cullera.**
Doctor Alemany 6. Cullera (Valencia).

EFE 44 **Radio Picasent.**
Santa Ana 11. Picasent (Valencia).

EFE 49 **Radio Chelva.**
Plaza del Caudillo 7. Chelva (Valencia)

EFE 8 **La Voz de Alicante.**
Angel Lozano 14. Alicante.

EFE 24 **Radio Orihuela.**
Ramón y Cajal 38. Orihuela (Alicante).

EFE 7 **Radio Denia.**
Marqués del Campo 23. Denia (Alicante).

EFE 12 **Radio Monóvar.**
Calle de la Iglesia 9. Monóvar (Alicante).

SECTOR EXTREMADURA Y ANDALUCIA

EFE 6 **Radio Caceres.**
Ronda del Carmen 4. Cáceres.

EFE 60 **Radio Vélez Rubio.**
Fernando Primo de Rivera 11. Vélez Rubio (Almeria).

EFE 62 **Radio Berja.**
Berja (Almería).

EFE 61 **Radio Adra.**
Adra (Almería).

Sweden

DISTRIBUTION OF PROGRAMMES: ADDR.: The Board of Telecommunications, Stockholm 16. – Cable: "Gentel".
L.P.: Dir. Gen.: H. Sterky. Chief of Radio Division: E. Esping. Chief of Broadcasting Section: K. Ekström.
STATIONS:
Medium Waves:

	kc/s	m	kW		kc/s	m	kW
Luleå	182	1648.4	10	Varberg	1394	215.2	0.2
Motala	191	1570.7	150	Visby	1394	215.2	0.5
Østersund	420	714.3	10	Gävle	1448	207.2	0.5
Sundsvall	593	505.9	150	Hudiksvall	1448	207.2	1.5
Malmberget	773	388.1	2	Västerås	1448	207.2	2.0
Stockholm	773	388.1	150	Ørnsköldsv.	1448	207.2	1.5
Göteborg	980	306.1	150	Porjus	1529	196.2	0.075
Hörby	1178	254.7	100	Söderhamn	1529	196.2	0.06
Falun	1223	245.3	100	Umeå	1529	196.2	1.5
Hälsingborg	1394	215.2	1.5	Borås	1562	192.1	2.0
Eskilstuna	1394	215.2	0.5	Halmstad	1562	192.1	2.0
Jönköping	1394	215.2	0.2	Kalmar	1562	192.1	2.0
Karlskrona	1394	215.2	1.5	Karlstad	1562	192.1	0.25
Kiruna	1394	215.2	0.5	Malmö	1562	192.1	2.0
Kristineh.	1394	215.2	0.2	Norrköping	1562	192.1	1.5
Säffle	1394	215.2	0.4	Uddevalla	1562	192.1	0.5
Trollhättan	1394	215.2	2	Ørebro	1562	192.1	0.5
Uppsala	1394	215.2	0.5				

Short Waves: Hörby 100 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6065	49.46*	9535	31.46	11705	25.63	15155	19.80
6095	49.22*	9620	31.19	11880	25.25*	17840	16.82
7270	41.27**						

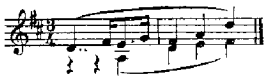
* nondirectional ** Motala 12 kW.

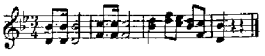
FM:	mc/s	kW		mc/s	kW
Ørebro	91.5	1.5	Stockholm I	92.4	60
Østersund	91.5	60	Stockholm II	96.6	60
Göteborg	92.1	20	Malmö	98.7	1.5

HOME SERVICE

LONG AND MEDIUM WAVES: Mo.–Fri.: 05.15–14.00, 15.30–22.00 (approx.). Sat. 05.15–23.00. Sun. 06.20–22.00 (approx.).
The following long and medium wave stations are generally the most reliable for listeners in Europe: Motala 150 kW, 191 kc/s and Hörby 100 kW, 1178 kc/s.
SHORT WAVES:
05.00–09.00 6065/7270 kc/s.
09.00–16.00 7270/11880 kc/s.
16.00–23.00 6065/7270 kc/s. (7270 kc/s radiates the 2nd prgr. at 18.30–21.15).
N.: 05.30 (W.), 07.00, 11.30, 18.00, 21.15. – **Weatherrep.**: 05.30 (W.), 07.00, 11.30, 17.55, 21.15. – **Weather Forecast for Swedish Waters**: 16.53. – **Request Prgr.**: Tues. 17.00–18.00. – **Prgr. Preview**: 05.40 (W),. 07.10, 11.10 or 11.45 (W.), 11.40 (Sun.), 14 00 (W.), 17.55. – **Bells of the Town Hall in Stockholm**: W. 11.00. – **Time Sig.**: D.: 11.58–12.00. – **Language Lessons**: E.: 07.15 (Sun.), F.: 21.30 (Tues.), G.: 06.30 (Sun.). – **Mailbag**: 18.30 (Thurs.).
SECOND PRGR.: FM and 7270 kc/s: 18.30–21.15.
N.: 20.00.
ANN. (National Prgr.): "Sveriges Radio..." and the name of the transmitting station. For instance: "Sveriges Radio, Stockholm".
INT.-SIG.: Home Service (2nd Prgr.): From Bellman's "Fredmans Epistel No. 64": "Fäll dine ögon och skäms nu din tossa"

Home Service 1st Prgr: Home Service 2nd Prgr:





FOREIGN SERVICE

STATIONS: Hörby – 100 kW.

kc/s	m	kc/s	m	kc/s	m
1178	254.7	9620	31.19	15155	19.80
6095	49.22	11705	25.63	17800	16.85
9535	31.46	11880	25.25	17840	16.82

EUROPEAN SERVICE: 20.00–20.30, 20.45–22.15, 23.00–00.30 (the same frequencies are used throughout the year).

English:		German:	
20.00–20.30	6095	23.00–23.30	1178
00.00–00.30	1178	**Portuguese:**	
French:		21.45–22.15	11705
20.45–21.15	11705	**Spanish:**	
23.30–24.00	1178	21.15–21.45	11705

OVERSEAS SERVICE
Periods: Nov. 1st–Oct. 31st=I; Nov. 1st–Feb. 28th=II; March 1st–Oct. 31st=III.
FAR EAST: 23.00–23.45, 12.00–13.00.

English:	II	III	Swedish:	II	III
23.00–23.15	9620	11880	23.15–23.45	9620	11880
12.00–12.30	9620	15155	12.30–13.00	9620	11880

SOUTHERN ASIA: 02.45–03.30, 14.30–15.45.

English:	II	III	Swedish:	II	III
02.45–03.00	9535	15155	03.00–03.30	9535	15155
14.30–15.00	11705	17800	15.00–15.45	11705	17800

MIDDLE EAST: 03.45–04.45, 17.15–18.00.

English:	II	III	Swedish:	II	III
04.00–04.15	9535	11705	04.15–04.45	9535	11705
17.15–17.30	9535	17800	17.30–18.00	9535	17800
French:	II	III			
03.45–04.00	9535	11705			

AFRICA: 06.30–07.15, 18.15–19.45.

English:	I	II	III	Swedish:	I	II	III
06.30–06.45	15155			06.45–07.15	15155		
18.15–18.45		11705	15155	18.45–19.15		11705	15155
French:							
19.15–19.45		11705	15155				

SOUTH AMERICA: 11.00–11.45, 23.00–02.00.

English:	I	Portuguese:	I
11.00–11.15	17840	23.30–24.00	11705
		01.30–02.00	11705
Spanish:		**Swedish:**	
23.00–23.30	11705	11.15–11.45	17840
01.00–01.30	11705	00.00–01.00	11705

EASTERN N. AMERICA: 13.15–14.15, 00.00–02.30.

English:	II	III	Swedish:	II	III
13.15–13.45	17840	15155	13.45–14.15	17840	15155
01.00–02.30	9620	11880	00.00–01.00	9620	11880

WESTERN N. AMERICA: 16.00–16.45, 05.00–06.00.

English:	I	II	III	Swedish:	I	II	III
16.00–16.15	15155			16.15–16.45	15155		
05.00–05.30		9620	11705	05.30–06.00		9620	11705

Radio Sweden reserves the right to alter the schedule if necessary.
SWEDEN CALLING DX-ers: Every fourth Mo. of the month at 13.15, 14.45, 18.15, 20.45 and Tues 01.30.
ANN.: E.: "This is Radio Sweden". – F.: "Ici Stockholm". – G.: "Hier ist der Schwedische Rundfunk, Stockholm". – Sp.: "Habla Estocolmo". – P.: "Sinfonisam Estocolmo".
INT.-SIG.: Home Service (1st Prgr.) and Foreign Service: The first movement of Carl Michael Bellman's: "Storm och böljor tystna ren"
INT.-SIG.: As Home Service 1st Prgr.

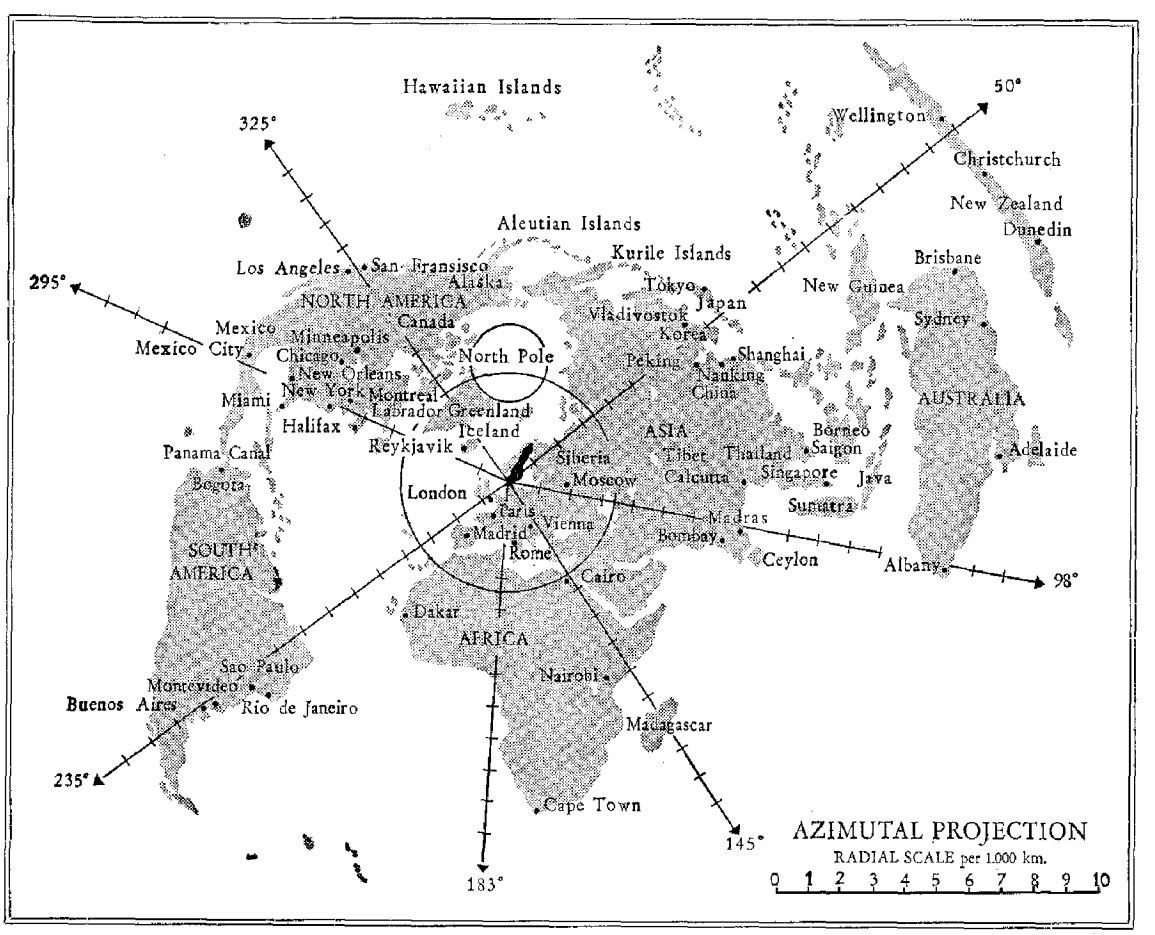
VER. by QSL-card. Special questions by letter. R. Sweden will appreciate all letters and reports on reception of the transmissions. Please write to R. Sweden, Stockholm 7.
PUBLICATIONS: Weekly: "Röster i Radio" (The Voice of the Radio).

IBRA RADIO AB

ADDR.: IBRA RADIO, Box 821, Stockholm. 1 – **Studios**: The main studio in Sveavägen 34, Stockholm. Co-workers in Tangier, France, Germany, Gt. Britain, Belgium, Holland, Portugal, Italy, America, Finland, Denmark and Norway.
L.P.: Pres.: Dr. Lewi Pethrus. Vice Pres.: Karl G. Ottosson.
STATIONS: **Radio Africa Tanger** at Tangier, N. Africa. 10 and 20 kW transmitters operating in the 50 – 41 – 31 – 25 and 19 m.b.
Radio Africa Maghreb at Tangier, N. Africa. 100 kW transmitter on 935 kc/s, 321.1 m.
SHORTWAVE SCE.: 11516 kc/s 26.1 m. In addition one transmitter in the 19-mb during May-Oct. and one transmitter in the 31-mb during Nov.-Apr.
SWEDEN: Sun. 17.00–20.30, Mo. and Sat. 17.00–17.15 and 17.45–20.30, Tues., Wed., Thurs., and Fri. 17.00–17.15 and 17.45–20.15. – **Addr.**: IBRA RADIO, Box 821, Stockholm.
NORWAY: W. 17.15–17.45. – **Addr.**: IBRA RADIO, Hamar.
DENMARK: Tues., Wed., Thurs. and Fri. 20.15–20.30. – **Addr.**: IBRA RADIO, Box 151, Copenhagen K.
FINLAND: Wed. 16.30–17.00. – **Addr.**: IBRA RADIO Lähetys, Terassgatan 9, Helsingfors R.Y.
BELGIUM: Mo. 20.30–20.45. – **Addr.**: IBRA RADIO, LVC BP 32, Namur.
HOLLAND: Tues., Thurs. and Sat. 20.45–21.00. – **Addr.**: IBRA RADIO, Leeuwarden.
GERMANY: D. 21.00–21.15. – **Addr.**: IBRA RADIO, Hamburg 6.
ENGLAND: D. 21.15–21.45. – **Addr.**: IBRA RADIO, Luton, Beds.
FRANCE: Sun. 20.30–21.00, Tues., Wed., Thurs., Fri. and Sat. 20.30–20.45. – **Addr.**: IBRA RADIO, Boite Postale 104, Paris 14.
SPAIN: Wed. 20.45–21.00. – **Addr.**: IBRA RADIO, Tanger.
ITALY: Fri. 20.45–21.00. – **Addr.**: IBRA RADIO, Casella Postale 2388, Roma.
PORTUGAL: Mo. 20.45–21.00. – **Addr.**: IBRA RADIO, Apartado 133, Lisboa-Norte.
Last **Tues.** of every month prgr. in **Esperanto** at 19.00–19.15.
Last **Wed.** of every month prgr. for **DX-ers** at 19.00–19.15.

"THIS IS RADIO SWEDEN"

calling the rest of the world with beamed transmissions in six languages daily: **ENGLISH · FRENCH · GERMAN SPANISH · PORTUGUESE · SWEDISH** *and bringing you News, Music & Feature Programmes from Sweden, over Radio Sweden's 100 K/W transmitters.*

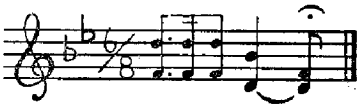


See p. 66–68 for schedules.

MEDIUMWAVE SERVICE: On 321 m (935 kc/s).
ITALY: D. 21.15–21.30. – **Addr.:** IBRA RADIO, Casella Postale 2388, Roma.
FRANCE: Sun., Tues., Wed., Thurs. and Sat. 19.00–19.15, Mo. and Fri. 7.15–7.30. – **Addr.:** IBRA RADIO, Boite Postale 104, Paris. 14
SPAIN: Sun. 7.45–8.00, Mo., Fri. 19.00–19.15, Tues., Wed., Thurs., Sat. 7.15–7.30. – **Addr.:** IBRA RADIO, Tanger.
PORTUGAL: D. 12.15–12.30. – **Addr.:** IBRA RADIO, Apartado 133, Lisboa-Norte.
IBRA RADIO reserves the right to alter the schedules, if necessary.

ANN.: Swedish: "Detta är IBRA RADIO som sänder över Radio Africa Tanger." Norwegian: "Dette er IBRA RADIO, Norge, som sender på Kortbölge over Radio Africa Tanger". Danish: "De lytter til IBRA RADIO, Danmark, der paa Kortbølge sender over Radio Africa Tanger". Finnish: "Täällä IBRA RADIO, Helsinki". Dutch: Hier ist de IBRA RADIO, die Uitzendt over Radio Africa Tanger". German: "Hier ist IBRA RADIO, Deutschland und sendet über Radio Africa Tanger". English: "This is IBRA RADIO, transmitting from Radio Africa Tangier". French: "Ici IBRA RADIO, France". Belgian: "Ici IBRA RADIO, Belgique". Italian: "Qui IBRA RADIO, Roma, trasmessa da Radio Africa Tanger". Spanish: "Aqui IBRA RADIO que trasmitte...." Portuguese: "Aqui IBRA RADIO que...." Esperanto: "Jen RADIO IBRA kiu, sendas pere de Radio Africa Tanger".

INT.-SIG.: From Lewi Pethrus' song: "Löftena kunna ej svika."



VER. by QSL-card. No return postage required. Listeners reports of prgr. in different languages can be addressed to the adds. above of the countries mentioned. All of them have different QSL-cards.

PUBLICATIONS: Monthly: "IBRA" in a Swedish and an English edition. Daily: "DAGEN", Sweden's greatest Christian newspaper.

IBRA RADIO FEDERATION (headquarters at Tangier) is an international federation of listeners. Anybody can become a member of this federation. "IBRA", the monthly magazine, is mailed to each member. The membership fee is: Sw. Crowns 30:–, US $ 10 or Engl. £ 2. IBRA RADIO MISSION is an organ receiving gifts in favour of this Swedish Free Christian radio work.

★ SWITZERLAND ★

Local Time: 1 h. ahead of GMT. – **Language:** German French, Italian.

SWISS BROADCASTING CORPORATION (Working under Government Charter-Non commercial).
ADDR.: Schweizerische Rundspruchgesellschaft, Societé Suisse de Radiodiffusion Swiss Broadcasting Corporation Societá Svizzera di Radiodiffusione – Neuengass-Passage 2, Berne. – **Cable:** "Radif".
Schweizerischer Kurzwellendienst, Service suisse des Ondes courtes, Swiss Shortwave Service, Neuengasse 23, Berne.
Regional Centres: Radio Zurich, Brunnenhofstrasse 20, Zürich. **Radio Berne,** Schwarztorstrasse 23, Berne. – **Radio-Basel,** Novarastrasse 2 Basel. – **Radio-Lausanne,** Maison de la Radio, La Sallaz, Lausanne. – **Radio-Geneve,** 66, Boulevard Carl Vogt, Genève. – **Radio-Lugano,** Campo Marzio, Lugano.
L.P.: President of the Board of Adm.: Dr. Fritz Rothen. Dir. Gen. of S. B. C.: Marcel Bezençon. Head of Adm. and Deputy Dir. Gen.: Georges Conus. Dir. of Swiss Shortwave Service: Paul Borsinger. Deputy Dir. of Swiss Shortwave Service: Dr. Gerd H. Padel. Head of Spoken Word in Swiss Shortwave Service: Hans de May. Head of Television Service: Edouard Haas.
Manager of the Regional Centres: Beromunster: Studio Zürich: Dr.P Jakob Job; from 1957: Dr. Samuel Bächli. Studio Berne: Dr. Kurt Schenker. Studio Basel: Dr. Fritz Ernst. **Sottens:** Studio Lausanne: Jean-Pierre Méroz. Studio Genève: Dr. René Dovaz. **Monte Ceneri:** Studio Lugano: Dr. Stelio Molo.

HOME SERVICE

GERMAN: W.: 05.15–06.30 10.00–13.30 14.59–22.15. Sat. 05.15–06.30. 10.00–22.15. Sun. 06.45–22.15.

Beromünster	529 kc/s	567.1 m	150	kW	
Chur	1367 –	219.5 –	0.5	–	relay
Sool	1367 –	219.5 –	0.5	–	–
Basel	1367 –	219.5 –	0.5	–	–

FM: St. Anton 96.9 mc/s; Ladir 95.7 mc/s; Leuk-Feschel 93.0 mc/s.
N.: 05.15 (W.) 06.00 (Sun. 06.50) 11.30 18.30 21.15. – **Weatherrep.:** 06.00 11.30 18.30 21.15. – **Time-Sig.:** 05.20 05.55 06.29 (Sun. 06.55) 11.29 13.29 14.59 21.15. – **Prgr. Preview:** Sun. 06.55,W.: 05.55, 18.20. – **Symphony:** Tues. 19.00. – **Religious:** Sun. 07.45 Catholic Sermon, 08.45 Protestant Sermon. – **Request Prgr.:** Mo. 19.00. – **Mailbag:** Mo. 19.30. – **Commentary:** 18.40, Fri. 18.05. – **"World Chronicle":** Mo. 21.20 (Review for Swiss abroad).

FRENCH: W.: 06.00–07.00, 10.00–13.00 (Sat. 22.15), 14.59–22.15. Sun. 06.10–22.15.

Sottens	764 kc/s	392.6 m	150	kW	
Saviése	1367 –	219.5 –	0.5	–	relay

FM: Leuk-Feschel 88.2 mc/s; Les Ordons 97.8 mc/s.
N.: 06.15, 11.45, 18.15, 21.30. – **Weatherrep.:** 06.15, 11.45, 18.15, 21.30. – **Time-Sig.:** 06.20, 11.44, 14.59, 18.13. – **Prgr. Preview:** 18.14. – **Symphony:** Wed. 19.30. – **Religious Prgr.:** Sun.: 07.45 High Mass, 09.00 Protestant. – **Request Prgr.:** Sun. 10.30. – **Mailbag:** Wed. 18.55. – **Commentary:** W.: 17.50, 18.25 (Fri.: "La situation internationale").

ITALIAN: W. exc. Sat.: 06.00–06.45, 10.00–13.00, 14.59–22.00. Sat.: 06.00–06.45, 10.00–23.00. Sun. 07.00–22.00.

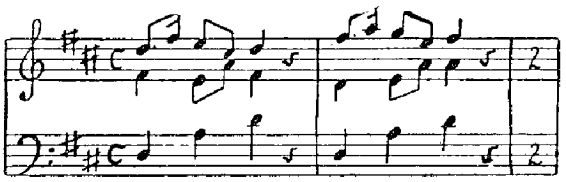
Monte Ceneri	557 kc/s	538.6 m	50	kW	

FM: Monte Morello 96.3 mc/s.
N.: 06.15 (Sun. 07.15) 11.30 18.15, 21.30. – **Time Sig.:** 06.20, 11.29, 14.59, 18.13. – **Prgr. Preview:** 18.20. – **Symphony:** Thurs. 19.30. – **Religious Prgr.:** Sun. 10.45. – **Request Prgr.:** W. 17.00. – **Mailbag:** Sun. 13.00. – **Commentary:** 18.15. – **Weatherrep.:** 06.15 (Sun. 07.15), 11.30, 18.15, 21.30.

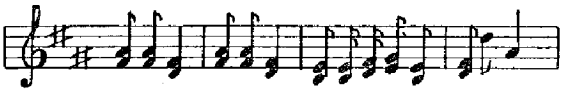
COMMON PRGR.: Mo.–Fri. 10.00–11.00 for **Beromunster, Sottens** and **Monte Ceneri** from the following studios:
Mo. (F.), Geneva. – Tues. (I.), Lugano. – Wed. (F.), Lausanne. – Thurs. (G.), Berne. – Fri. (G.), Zürich. – Sat. (G.), Basel.

ANN.: Beromunster: "Schweizerischer Landessender Beromünster". – **Sottens:** "Sottens – Emetteur national suisse". – **Monte Ceneri:** "Radio della Svizzera italiana – Stazione nazionale di Monte Ceneri."

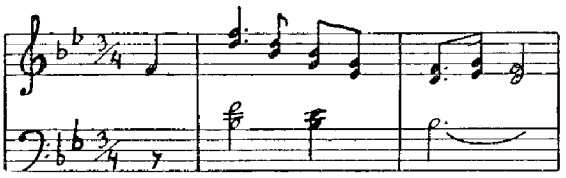
INT.-SIG.: Beromunster: Radio Basel: "Z'Basel a mym Rhy".



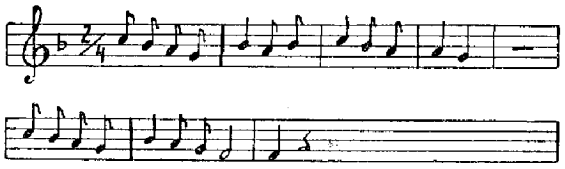
Radio Bern: "D'Zyt isch do".



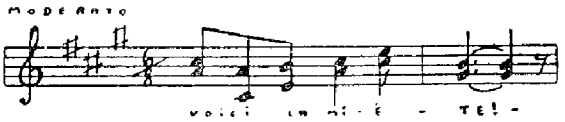
Radio Zurich: "Chum Bueb und lueg dis Ländli a".



Radio Geneve: "Quelle fatale journée" chanson d l'Escalade.



Sottens: Radio Lausanne: "Voici la mi-été".

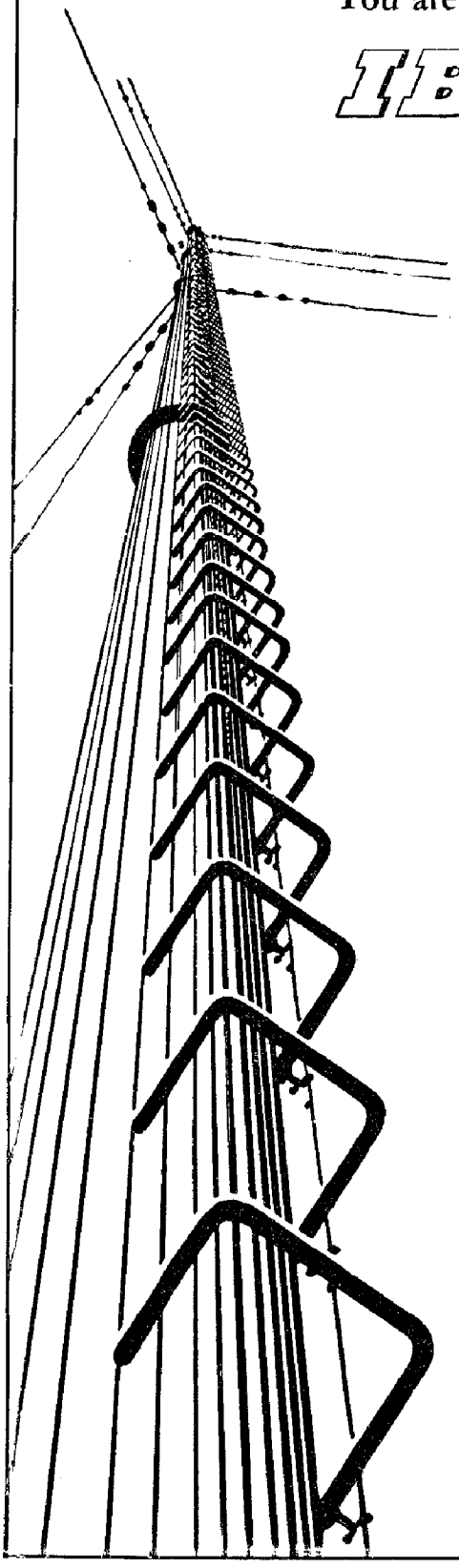


Monte Ceneri: "Campane delle Chiesa di Pazzalino".

VER.: Any message of our listeners and viewers are most welcome.

F.PL.: A network of 48 FM transmitters is under construction. –

PUBLICATIONS: Weekly: Schweizer Radiozeitung, Berne (German). "Radio – Je vois tout", Lausanne (French). – "Radioprogramma", Lugano (Italian).



You are invited to tune in to

IBRA RADIO

The Free Christian Radio, transmitting daily over Radio Africa, Tangier, on the Short Wave and over Radio Africa, Maghreb, on the Medium Wave.

Transmissions are in 12 languages
and further languages will be added during 1957.

IBRA RADIO broadcasts:

- SONGS AND MUSIC
- RELIGIOUS SERVICES AND DEVOTIONS
- REPORTS AND INTERVIEWS
- LITERARY READINGS AND EXTRACTS
- CHILDRENS' AND YOUTH PROGRAMMES
- ADVERTISEMENTS ETC.

Details regarding programmes and wave lengths, with comments, are issued in Dagen, the largest Christian daily newspaper in Sweden. IBRA RADIO, also has it's own magazine, (IBRA) which publishes, in the Swedish edition, the monthly programmes, together with interesting articles concerning IBRA RADIO and other Radio Stations. There is also an English edition of 'IBRA'. A copy of each edition of 'IBRA' is sent to persons joining the IBRA RADIO Federation — The International Listeners Association. Further information about this may be obtained from IBRA RADIO FEDERATION, P.O. Box 821, Stockholm 1, Sweden.

Reception Reports, programme suggestions and requests are welcome. Reports may be sent to the different IBRA RADIO offices, and will be confirmed by a particular QSL Card for each office country. From Tangier a Swedish, English or Spanish QSL Card will be sent according to the language of the report.

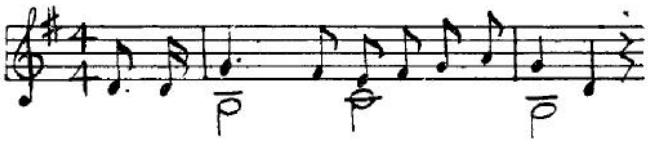
IBRA RADIO AB

P. O. BOX 821 • STOCKHOLM 1 • SWEDEN

See page 68 for schedules.

Moscow, Kreml

MOSCOW CALLING



What USSR broadcasts about

The Soviet Union covers a sixth of the globe. In order to travel through the country from west to east—from the Polish frontier to the Pacific coast—a passenger in an express train requires fourteen days. When the rising sun gilds the summit of Kljutjevskij in Kamtjatka, the inhabitants in the western areas are just going to bed. From the cold pole in Jakutsk, where the thermometer often registers 70 degrees below freezing point, to the hot desert of Karakum, where the temperature reaches 60 degrees (C), one meets the most various climatic conditions. The fauna and flora of the country are extraordinarily diverse. Its natural resources are unlimited.

The population of USSR exceeds 200 millions. There are Russians, Ukrainians, White Russians, Lithuanians, Gruzes and Moldavians—people of over sixty nationalities.

Moscow broadcasting station tells about life in this country, and transmits in 35 different languages.

The programmes comprise reports on sporting events, concerts, literary programmes. Listeners are informed about science and techniques, new books, theatre and film shows. Moscow broadcasting station also comments on the most important international events. There are special programmes for women, for children and for young people. In these programmes are given answers to letters from listeners and the records people have asked for; information is given concerning the life of Soviet Russian women, and about students and school children.

Foreign guests are broadcast over the Moscow station—political personalities from abroad, representatives of business circles, scientists, artists, people of different religions, workers, and peasants visiting the Soviet Union as tourists or as members of various delegations.

Moscow always replies to its listeners by radio and letter, sending them various souvenirs and prizes for participating in the competitions of the Moscow station.

LISTEN IN TO MOSCOW!

advertisement Moscow calling USSR Sowjet Union Radio Moscow

FOREIGN SERVICE

Schwarzenburg: 100 kW.

HER3	6165 kc/s	48.66 m	HER7	17784 kc/s	16.87 m
HER4	9535 –	31.46 –	HER8	21520 –	13.94 –
HER5	11865 –	25.28 –	HEI9	21605 –	13.88–
HER6	15305 –	19.60 –	HER9	25640 –	11.70 –
HEU7	17720 –	16.93 –			

Our Winter schedule runs from Nov. to Apr. incl.; Summer from May to Oct. In addition, minor frequency changes are made in March for spring, and in September for autumn. Programme schedules are available free of charge from the Swiss Shortwave Service, **Berne**, Switzerland.

EUROPEAN SERVICE:

German, French, Italian on 6165/9535. W.: 05.15–07.00, 10.00–13.00, 15.00–22.40. Sat. 05.15–07.00, 10.00–22.40. Sun.: 06.10–22.40. N.: (G=German, F=French). 05.15(G), 06.00(G), 06.15(F), 11.30 (G), 11.45(F), 18.15(F), 18.30(G), 21.30(F), 22.20(G).

Esperanto: Tues., Thurs. 11.55 and 17.35.

European Service rebroadcast to Africa: 05.15 (Sun. 06.10)–07.00 on 21520, 10.00–12.30.: 21520/25640, 14.45–22.40.: 17784/21520 kc/s. (14.45–16.30 same prgr. in E. as for India and Pakistan).

OVERSEAS SERVICE:

English:	Beamed Areas	kx ls
18.45–20.30	U.K. Ireland	11865/15305
01.30–03.15	N. America (I)	6165/9535/11865
04.15–05.00	N. America (II)	9535/11865
07.15–09.45	Australia, N.Z., F. East	11865/17784/21520/25640
12.45–14.30	Japan S. E. Asia	15305/17784/21520
14.45–16.30	India, Pakistan	11865/21605
16.45–18.30	Middle East	11865/17720

Rendez-Vous in Geneva, light music, presented by Louis Rey Fri/Sat. – **Folk Music,** daily. – **Request Programme,** Sat./Mo. A Penny – A Song – **Classical music,** Cantatas by J. S. Bach, Sun. – **From the Swiss Concert Halls,** Tues./Wed. – **Swiss Composers and chamber music,** Thurs./Fri. – **Water in Switzerland,** Wed./Thurs. – **They went abroad,** Fri./Sat. – **On the Spot,** Actuality Prgr. Sun./Mo. – **Madelaine Presents,** Women's prgr. Tues./Wed. – **Do you know this?** Quiz alternating with **Swiss Quiz Review.** Sun. – **News, Commentaries,** at the beginning of each transmission. – **Dx Programme** every first Thurs./Fri. of the month in each transmission. – **World youth Magazine** including the weekly feature. – **A job for You.** Sat./Sun. – **Sunspot Predictions,** once a month.

Sunspot predictions of the Zurich Observatory for the coming months are put on the air on the 4/5th of every month, in all transmissions, just after the Home News. For Britain and Ireland as well as America on the 4th, for all other countries on the 5th. A service to observatories in other parts of the world.

Spanish:

21.00–22.30	Spain	11865/15305
23.15–00.45	South America	9535/11865
03.30–04.00	Central America	9535/11805

Folk music (Musica popular): Daily 21.00. – **News commentaries etc.** (Noticias, comentarios etc.): Daily 21.15. – **Classical music** (Musica sinfónica): Tues. 21.30. – **Reflejos de la Semana** (actuality +feature programme): Thurs. 21.30. – **Swiss composers and Chamber music.** (Compositores suizos Música de cámera): Thurs. 21.45. – **Bailables** (Carlos y Delia request programme): Sat. 21.30. – **Rendez-vouz in Geneva.** (Cita con Luis Rey): Sun. 21.30. – **Consultorio radiofónico.** (Listeners' questions – our answers): Sun. 21.45. – **Concierto dominical.** (Sunday concert): Sun. 22.00.

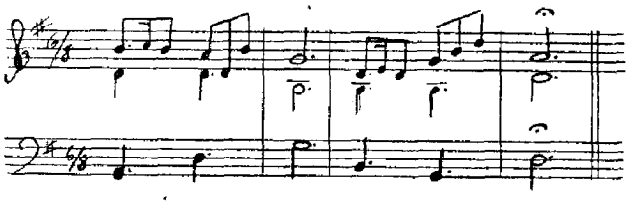
Portuguese:

20.45–21.00	Portugal	11865/15305
23.00–23.15	Brazil	9535/11865

Folk music. (Música popular): Daily, exc. Sat. 21.00. – **News commentaries etc.** (Noticias, comentarios etc.): Daily 20.45. – **Matando Saudades (Carioca)** (request programme): Sat. 21.00.

ANN.: E.: "This is Switzerland Calling". – **G.:** "Hier spricht die Schweiz". – **F.:** "Ici la Súisse". – **I.:** "Qui è la Svizzera". – **Spanish:** "Habla Súiza." – **P.:** "Aqui Súiça".

INT.-SIG.: Lueget vo Bärgen und Tal.



VER.: We are happy to receive letters and reception reports which are all replied to or acknowledged by QSL-card and letter. – **PUBLICATIONS:** Schweitzer Radiozeitung, Berne. – "Radio – Je avis tout", Lausanne. – "Radioprogramma", Lugano. –

UNO BROADCASTING FROM RADIO GENEVA

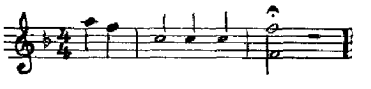
ADDR.: Radio des Nations Unies, c/s Centre d'Information, Palais des Nations, Geneva. – **Cable:** Omnipress, Geneva. – **L.P.:** Dir. of Information Centre: Gerzy Szapiro. Radio Officer: Roger Minne.

STATIONS: HBQ 6675 kc/s 44.94 m 25 kW. – HBX 9515 kc/s 31.53 m 25 kW d.

HOME SERVICE in F.: Irreg. average once a week ("**Instants du Monde**": D. 18.20).

FOREIGN SERVICE: 17.30–19.00 on 6675 kc/s to W. & S. Eu. M.E. – 15.45–16.10 on 9515 kc/s to Ea., Eu. in Russian.

ANN.: "Ici les Nations Unies á Geneve". – **INT.-SIG.:**



VER. by QSL-card or letter.

BROADCASTS FROM "COMITE INTERNATIONAL DE LA CROIX-ROUGE", GENEVA

CHIEF OF BROADC.: Mr. Georges Kuhne. – **IN PEACE-TIME:** CICR organizes transmissions irregularly on frequencies used by the Swiss Broadcasting Organization. – **IN CRITICAL TIMES:** CICR broadcasts from one of the studios belonging to the Swiss Broadcasting Organization programmes containing information of search, and use for this purpose suitable frequencies of the Swiss Broadcasting Organization.

★ U.S.S.R. ★

Local Time: 3 h. ahead of GMT. – **Language:** Russian.

ADDR.: Radio Centre, P.O. Box 939, Moscow. – **Cable:** Moscow Radio.

L.P.: Chief of Sovjetradio: A. Puzin. Chief Eng.: V. Zjelezova.

HOME SERVICES:

STATIONS:

Medium Waves:

	kc/s	m	kW
Moscow RSFSR	151	1987	500
Moscow I RSFSR	173	1734	500
Moscow II	200	1500	100
Kiev I–Ukrainian SSR	209	1435	150
Leningr. I RSFSR	236	1271	100
Mosc. II RSFSR	263	1141	150
Minsk–White-Russian SSR	281	1068	100
Moscow II	340	882.4	100
Kharkov	385	779.0	50
Tashkent I	400	750.0	50
Ukrainian SSR	548	574.4	100
Riga–Latv. SSR	575	521.7	100
Petrozavodsk–Karelian ASSR	611	491	100
Krasnodar RSFSR	611	491	20
Moscow II RSFSR	620	483	20
Simferopol–Ukrainian SSR	647	463.7	100
Murmansk RSFSR	656	457.3	150
Vilnius I–Lithuanian SSR	665	451.1	100
Rostov RSFSR	674	445.1	100
Ufa	692	433.5	100
Stalino–Ukrainian SSR	710	422.5	150
Kiev II–Ukrainian SSR	782	383.6	100
Leningrad II–RSFSR	800	375	100
Mosc. III RSFSR	872	344	150
Uzjgorod–Ukrainian SSR	890	337.1	20
Lvov–Ukrainian SSR	935	320.9	100
Voronezh RSFSR	944	317.8	20
Smolensk RSFSR	971	309	20
Kisjinjov–Moldavian SSR	998	300.6	100
Tallin I–Esthonian SSR	1034	290.1	100
Dnjepropetrovsk–Ukrainian SSR	1070	280.4	20
Mogilev–Whiterussian SSR	1106	271.2	100
Vilnius II–Lithuanian SSR	1106	271.2	100
Leningrad III–RSFSR	1124	266.9	20
Kaliningrad–RSFSR	1142	262.7	20
Odessa–Ukrainian SSR	1169	256.6	150
Kursk–RSFSR	1214	247.1	20
Tallin II–Esthonian SSR	1214	247.1	5
Tiraspol–Moldavian SSR	1241	241.7	20
Kharkov II–Ukrainian SSR	1322	226.9	100
Kuldiga–Latvian SSR	1349	222.4	20
Madona–Latvian SSR	1349	222.4	20
Kaunas–Lithuanian SSR	1385	216.6	150
Tartu–Esthonian SSR	1403	213.8	20
Tjernogov–Ukrainian SSR	1421	211.1	5
Gomel–Ukrainian SSR	1493	200.9	20
Vinnitsa–Ukrainian SSR	1546	194.0	5
Baranovitji–Whiteruss. SSR	1554	193.1	20

U.S.S.R.

Short Waves: 13 16 19 31 41 49 50 m.b.

FM:	mc/s			mc/s	
Moscow	67.40	70.3	Riga	67.62	71.12
Kiev	68.12	71.37	Sverdlovsk	68.37	71.87
Leningrad	66.87	70.37	Tallinn	67.37	70.87
Minsk	68.12	71.62	Charkov	67.52	71.12

Radio Moscow:

1st Programme: D. 03.00–22.00 (Sat. Sun. 23.00) on 263 236 151 kc/s. D. 03.00–10.05 11.00–22.00 (Sat. Sun. 24.00) on 173 kc/s. D. 03.00–12.00 on 872 kc/s. D. 12.45–22.00 on 400 kc/s.
In the 16 19 25, 31, 41 m.b. during daytime and in 25, 31, 41, 50 m.b. during nighttime.
N.: 03.05, 05.00, 05.45, 13.00, 16.00, 19.30, 20.00. – **Press Review:** 04.00, 09.00. – **N. of the week:** 15.00. – **Weatherrep.:** after news. – **Music:** D.: 06.00, 07.15, 07.45, 09.20, 10.05, 14.00, 15.00, 16.45, 17.00, 18.00, 18.30, 20.15, 21.05. – **Prgr. Preview:** D.: 03.20, 04.55, 10.00, 16.18. – **Prgr. for next day:** W. 12.45 (Sat. 09.45), dictation speed.

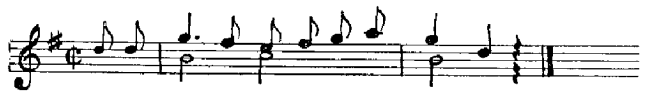
2nd Programme: D. 12.00–22.00 on 872 kc/s. – D. 07.00–13.10 (Sun. 16.00) on 548 kc/s. – D. 12.20–22.00 on 385 kc/s. – W. 07.00–11.30. Sun. 05.45–12.00 on 200 kc/s. – D. 16.20–22.00 on 340, 620 kc/s. – D. 16.00–22.00 on 691, 809 kc/s.
In 50 m.b.: D. 12.00–21.00. In 42, 47 m.b.: D. 14.00 (Sun. & Wed. 12.00)–16.20. In 41 m.b.: Sun. 05.45–11.30.
N.: 16.00, 17.45, 19.30. – **Press Review:** 12.00. – **Music:** 07.00, 08.00, 10.45, 12.20, 14.15, 15.30, 16.20, 18.00, 20.00, 21.05.

3rd Programme: 16.20 (Sun. 16.00)–21.00 on 548 kc/s and in 41, 47, 50 m.b.
Music: 16.20–21.00 (1st, 3rd, 4th week opera), 20.00–21.00 (2nd week concert).

Moscow Prgr. for F.E., Siberia, Kazakh, Asia, Ural.

h. of tr.	m.b.	beam. to	h. of tr.	m.b.	beam. to
20.30–21.00	31, 41	F.E.	15.00–22.00	31, 41	Ural/ Siberia
22.30–23.15	25, 31	F.E.			
04.00–10.00	13, 16, 19	F.E.	03.00–15.00	19, 25	
00.00–03.00	25, 31	C.As.		31, 41	Caucasus
03.00–16.00	19, 25	C.As.	15.00–21.00	31, 41	Caucasus
16.00–22.00	25, 31	C.As.	03.00–16.00	25, 31, 41	W.Sovjet
00.00–03.00	31, 41	Ural/ Siberia	16.00–22.00	31, 41	W.Sovjet
			03.00–15.00	25, 31, 41	N. Sovjet
03.00–15.00	16	Ural/ Siberia	15.00–22.00	31, 49	N. Sovjet

N.: 00.00, 01.00, 02.00, 03.05, 07.00. – **Music:** 00.20, 01.50, 02.40, 03.25, 04.20, 07.30, 08.25.
ANN.: "Govorit Moskva" – "This is Radio Moscow".
INT.-SIG.: For Home- and Foreign Service:



PUBLICATION: "Radioprogrammy" (weekly).

FOREIGN SERVICE

EUROPEAN SERVICE * = Concert. **metre bands**

Albanian
14.30–15.00 221
15.00–15.30 221 (W.)
18.00–18.30 221

Austrian
17.00–17.30 41–31–25–227–216
18.30–19.00 41–31–25–21–227 216
20.30–20.45 321–227–216

Bulgarian
15.30–16.00 506 (Sat.)
16.10–16.55 363
19.30–20.00 363 (Thurs.)

Czech metre bands
17.00–17.30 Sun., Tues., Thurs., Sat. 1103–197. Mo., Wed., Fri.: 470–315

Slovak
15.30–16.00 273

Danish
17.00–17.30 49–41–25–19
18.30–19.00 49–41–25–216
20.30–21.00 49–41–25

Dutch
17.30–18.00 49–41–25
20.00–20.30 49–41–25

English metre band
07.30–08.00 31–25–19
17.30–21.30 31–25–19[10])
13.35–14.05 556 3 and 4 week Sun.
16.00–16.30 41–31–25
17.30–18.10 556 1 and 2 week Sun.
13.40–14.10 344 Thurs.
15.30–16.00 344 2, 3 and 4 week Wed.
16.40–17.10 344 1 week Wed.
16.30–17.00 344 Mo., Tues.
20.30–21.00 344 Fri.

Italian
11.30–12.00 25–19–16
17.30–18.00 41–31–25
19.00–20.00 41–31–25–257
20.30–21.00 41–25–321–240–397[1])
21.30–22.00 41–31–25–337 321[1])
22.00–22.30* 49–41–300–321–

Norwegian
17.15–17.30 } 41–31–375[2])
18.30–19.00 }
20.00–20.45 49–41–357[3])

Polish
08.00–08.30 367 (Mo.)
14.00–14.30 1322 (Sun.)
15.00–15.30 1322 (W.)
15.30–16.00* 49–41–31–25

Portuguese
21.00–21.30 31–25[4])
22.00–22.30 49–41–31

Rumanian
09.00–09.30 540, 351, 330, 261, 206, 202 (Sun.)
16.30–17.00* 41–31–25
19.15–19.45 1935–285 (Wed.)
19.15–19.45 540–351–330–261–206–202 (Tues., Fri.)

Spanish
20.00–21.00 31–25[4])
21.30–22.30 41–25–19[5])

Swedish
17.00–17.15 49–41–31–375[2])
19.30–20.00 49–41–31–375[2])
20.45–21.15 49–41–522–375–290[3])

Turkish
10.00–10.30 25–19
16.00–16.25 41–31–25
18.00–18.30 31–25–348–337
19.30–20.00 41–31–25–337

To Yugoslavia:
Serbian & Croatian
17.30–18.00 41–31–25–257
18.30–19.00 41–31–25–257
20.00–20.30 41–31–25–321–257[6])
21.30–22.00 41–31–337–300–357[2])

Slovene
18.00–18.30 41–31–25–257[6])
20.30–21.00 31–25–337–257

Macedonian
17.00–17.30 41–31–25–257
21.00–21.30 41–31–337–300–257[2])

Music:
08.00–15.30 19
21.15–22.30 41–31–19–522–375 227–216

OVERSEAS SERVICE

TO NEAR EAST

Arabic
04.15–05.15 25–19
12.30–13.00 19–16
15.30–16.00 41–31–25
17.30–18.00 41–31–25–348
18.30–19.30 41–31–25–348–337

Persian
09.30–09.55 19–16
14.45–15.25 41–31–25–19–348
16.30–17.25 41–31–25–348
20.05–20.30 41–31–25

TO S. EAST ASIA

Vietnamese
10.30–11.00 19–16
13.00–13.30 25–19
23.00–23.15 31–25

Indonesian
09.30–10.00 19–16
11.45–12.15 19–16
13.30–14.00 25–19

English (India)
08.30–08.45 19–16
11.30–11.45 19–16
14.00–14.45 19–16

Urdu
09.15–09.30 19–16
14.45–15.30 19–16

Bengali
09.00–09.15 19–16
13.15–14.00 19–16
15.30–15.45 19–16

Hindi
08.45–09.00 19–16
13.00–13.15 19–16
15.45–16.30 19–16

TO FAR EAST

Chinese
08.30–09.00 41–19–547–477 457–422
10.00–10.30 41–31–25–19–16–547–477–457–422
11.00–11.30 41–31–25–19–16–547–477–457–422
12.15–13.00 (Cantonese) 19–16
14.00–15.00 41–31–25–19–16–547–477–457[7])

Japanese
09.30–10.00 41–19–547–477
10.30–11.00 41–31–25–19–16–547–477
12.00–12.45 41–31–25–19–16–547–477–340
13.15–14.00 41–31–25–547–477–340
21.30–22.00 31–25–19–547–477

Korean
09.00–09.30 41–19–547–477–422
11.30–12.00 41–31–25–19–16
12.45–13.15 547–477–422
21.00–21.30 } 25–19–547–477–422
22.00–22.30 }

Mongolian
09.30–10.00 25–19–16–1829–457
13.15–14.00 25–19–16–1829–457[8])

TO NORTH AMERICA (USA)

English
23.00–06.00 31–25–1 Prgr.
23.00–06.00 19–16 2 Prgr.
06.00–08.00 25–16[9])

TO LATIN AMERICA

22.00–23.00** **Portuguese Spanish[5])**
23.00–02.00 31–25–19

[1]) From 1/12–1/2 31 replaces 25 m.b. – [2]) From 1/12–1/2 not 31 m.b. – [3]) From 1/12–1/2 not 41 m.b. – [4]) From 1/12–1/2 also 41 m.b. – [5]) From 1/12–1/2 not 19 m.b. – [6]) From 1/12–1/2 not 25 m.b. – [7]) From 1/12–1/2 not 16–19 m.b. – [8]) From 1/12–1/2 31 m replaces 16. – [9]) From 1/12–1/2 19 m replaces 16. – [10]) 1/12–1/2 41 replaces 25 m.b.
* Music. ** To 1/12 25 m.b. 1/12–1/2 31–25 m.b. – From 1/2 25–19 m.b.

★ VATICAN STATE ★

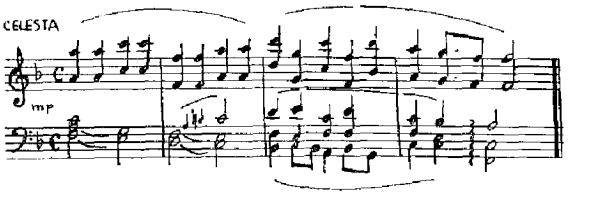
Local Time: 1 h ahead of GMT. **Languages:** see below.
ADDR.: Vatican Radio, Vatican City. – **Cable:** Vatican Radio. – **L.P.:** Dir. Gen.: Rev. Prof. Antonio Stefanizzi S.J. Dir. of Prgr.: Rev. Francesco Pellegrino S.J. Dir. Tec.: Dott. Ing. Tullio Gorio.
STATIONS AND FREQUENCIES:
Medium Waves:
HV2 773 kc/s 388.1 m 2 kW – HV100 1529 kc/s 196.2 m 100 kW
HV5 1484 – 202.2 – 5 –
Short Waves: 5/25/50/100 kW*)

kc/s	m	kc/s	m	kc/s	m	kc/s	m
3955	75.85	7270	41.27	11740	25.55	17735	16.92
5968	50.27	7280	41.21	11940	25.13	17840	16.82
6005	49.96	9550	31.41	15120	19.62	21515	13.94
6030	49.75	9646	31.10	15290	19.84	21740	13.80
6190	48.47	9660	31.06	15385	19.50	25740	11.66
7250	41.38	11685	25.67	17445	17.20	25780	11.64

*) The wavelengths are subject to change with seasonal variations, or to avoid interference.
FM: Mc/s 93.30, 96.30; kW 0.5.

	Oct./April kc/s
Abyssinian: 16.45 Tues., Fri. **Albanian:** 17.30 Tues., Thurs., Sat. **Arabic:** 17.15 Sun., Tues., Sat. **Bulgarian:** 17.15 Mo., Thurs. 10.30 Sun.	7280, 9646, 11685, 15120, 1529
Chinese: 10.15 Thurs.	11685, 21515
Croat: 14.00 Sat. 17.00 Sun., Mo., Wed., Fri.	7280, 9646, 11685, 15120, 1529
Czech: 12.30 D.	7280, 9646, 11685, 15120, 1529
19.30 D.	6190, 7280, 9646, 11685, 1529
Dutch: 14.00 Fri., 18.00 Thurs., Sun.	7280, 9646, 11685, 15120, 1529
English: 15.00 D., 18.15 D.	7280, 9646, 11685, 15120, 1529
16.00 Tues.	11685, 21515 (for India, Pakistan, Ceylon)
French: 11.45, 14.30 D.	7280, 9646, 11685, 15120, 1529
18.45 D.	6190, 7280, 9646, 11685, 1529
07.30 Thurs. for W. Africa	11685, 17840
German: 12.45 D., 14.45 D.	7280, 9646, 11685, 15120, 1529
19.45 D.	6190, 7280, 9646, 11685, 1529
Hungarian: 13.00 D.	7280, 9646, 11685, 15120, 1529
21.00 D.	6190, 7280, 9646, 11685, 1529
Italian: 13.30 D.	6190, 9646, 1529, 773
20.00 D.	1529, 773
20.15 D.	6190, 7280, 9646, 11685, 1529, 773
16.00 Fri. For the sick	6190, 7280, 9646, 11685, 1529
07.30 Mo., Weds., Sat.	9646, 11685 (For M. East)
Latin: 07.50 Mo., Thurs., Sat.	9646, 11685
16.45 Mo., Wed., Sat.	7280, 9646, 11685, 15120, 1529
21.15 Tues., Wed., Fri.	6190, 7280, 9646, 11685, 1529
Latvian: 17.30 Mo., Fri.	7280, 9646, 11685, 15120, 1529
Lithuanian: 14.00 Sun., Tues., Thurs. 18.00 Mo., Wed., Sat.	7280, 9646, 11685, 15120, 1529
07.30 Sun.	9646, 11685, 15120
Polish: 12.15 D., 15.15 D.	7280, 9646, 11685, 15120, 1529
19.15 D.	6190, 7280, 9646, 11685, 1529
Portuguese: 15.30 D.	7280, 9646, 11685, 15120, 1529
20.00 D.	6190, 7280, 9646, 11685, 1529
08.00 Wed. For Mozambique	11685, 21515
Rumanian: 14.00 Mo., 17.30 Sun., Wed.	7280, 9646, 11685, 15120, 1529
Russian: 17.45 D.	7280, 9646, 11685, 15120, 1529
Slovak: 12.00 D.	7280, 9646, 11685, 15120, 1529
19.00 D.	6190, 7280, 9646, 11685, 1529
Slovene: 14.00 Wed. 17.00 Tues., Thurs., Sat. 10.15 Sun.	7280, 9646, 11685, 15120, 1529
Spanish: 14.15 D.	7280, 9646, 11685, 15120, 1529
20.45 D.	6190, 7280, 9646, 11685, 1529
21.30 Thurs. For S. America	9646, 11685
Swedish/Danish/Norwegian: 15.45 Wed. **Ukrainian:** 18.00 Tues., Fri. **White Ruthenian:** 17.15 Wed., Fri.	7280, 9646, 11685, 15120, 1529
Musical Concert: 16.30 Thurs.	7280, 9646, 11685, 1529
Sunday Service: 08.00 Mass in Latin Rite. Music during the Mass. Gospel homily for 15 min. after Mass, alternatively in different languages	6190, 7280, 9646, 11685
Oriental Liturgy 09.00 (Homily in respective languages)	7280, 9646, 11685, 15120

OPENING SIGN.: The bells of St. Peter's.
ANN.: "Laudetur Jesus Christus. Praised be Jesus Christ. This is Vatican Radio".
INT.-SIG.: Carillon-Melody "Christus Vincit" executed on the celesta with orchestral accompaniment.



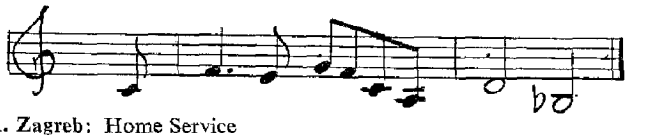
VER. by QSL-card. Listeners comments welcomed.

★ YUGOSLAVIA ★

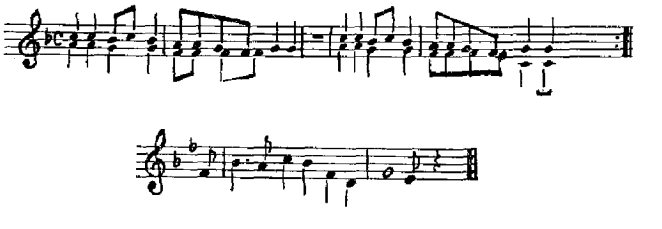
Languages: Serbian: Belgrade, Nis, Novisad, Pristina, R Sljeme – **Croatian:** Zagreb, Split, Rijeka, Osijek, Dubrovnik, Capodistria. – **Serbo-Croat** (Bosnia-Herzegovina): Sarajevo. – **Serbo-Croat** (Montenegro): Titograd. – **Slovene:** Ljubljana, Maribor. – **Macedonian:** Skoplje, Bitola. **Local Time:** 1 h ahead GMT.
ADDR.: R. Beograd: Yugoslav Radiodiffusion, 19, Knez Mihajlova Belgrade. **For Listener's Letters:** Jugoslovenska radiodifuzija, Beograd, 19, Knez Mihajlova, p.f. 284. R. Belgrade: 2, Hilenderska. **R. Zagreb:** 4 Jurisiceva 4, Zagreb. – **R. Ljubljana:** 17 Tavcarjeva St. Ljubljana.
L. P.: Pres. of the Broadcasting Committee: Zlatko Sinobad. Vice-Pres.: Milan Apia and Milivoje Markovic. Secr. of the Broadcasting Committee: Mrs. Olivera Vojvodic. **L. P. for R. Zagreb:** Dir. Gen.: Ivan Sibl. Dir. Prgr.: Zlatko Sindbad. Dir. Tec.: Vojko TRS. Chief-Eng.: Roman Ing. Galic.
HOME SERVICES

	kc/s	m	kW		kc/s	m	kW
Sarajevo	611	490.9	20	Rijeka	1412	212.4	15
Belgrade 1	683	439	150	Dubrovnik		212.4	0.8
Skoplje	809	370.9	20	Maribor		212	5
Titograd	881	340.5	20	Belgrade 2	1484	202.1	1.5
Ljubljana	917	327.1	135	Zagreb 2/			
Zagreb 1/Split	1133	264.7	135/50	R. Sljeme		202	2
Capodistria	1169	257	6	Nis		202	2
Novi Sad	1268	236.6	100	Osijek		202.2	0.8
Pristina	1412	212.4	20	Bitola		202	0.5

DAILY PRGR.: R. Belgrade: W. 04.30–23.00. Sun. 05.00–23.05. – N.: 04.50–05.05, 09.00, 12.00, 14.00, 16.00, 21.00, 23.00.
R. Zagreb (Language: Croatian): W. 04.00–07.45, 12.00–23.00. Sun. 05.30–23.00. – N.: 04.15, 05.15, 06.55, 12.00, 14.00, 16.00, 21.00, 21.55.
R. Ljubljana: W.: 05.00–06.30, 10.00–23.00. Sun. 05.00–23.00. – N.: 04.05, 05.00, 12.00, 14.00, 16.00, 21.00.
R. Sarajevo: W.: 05.00–06.55, 12.00–22.00. Sun. 05.00–22.00.
R. Skoplje: W.: 04.25–06.45, 11.00–22.00.
R. Titograd: W.: 05.00–07.00, 12.00–21.00. Sun. 05.00–21.00.
R. Novi Sad: W. 04.25–23.00. Sun. 04.25–23.30.
R. Pristina: W.: 05.00–06.30, 12.00–21.30. Sun.: 05.30–09.00, 12.00–21.30.
ANN.: R. Beograd: "Ovde Radio Beograd". – **R. Zagreb:** "Mere is Radio Zagreb". – "Ondje Radio Zagreb".
VER. by letter.
INT.-SIG.: R. Belgrade: The beginning of the "Internationale":



R. Zagreb: Home Service



FOREIGN SERVICE: Winterschedule not yet prepared. –
STATIONS: R. Belgrade 6100 kc/s 49.18 m 100 kW. – 7200 kc/s 41.67 m 10 kW. – 9505 kc/s 31.56 m 10 kW. – **ANN.:** "Ici la Yougoslavie, Belgrade vous parle". – "This is Yugoslavia, Radio Belgrade calling" etc. – **PUBLICATION:** "Jugoslovenski Radio". – **F. PL. for R. Zagreb:** Syncronizing of Zagreb, Rijeka and Split.

AFRICA

★ ALGERIA (French) ★

Local Time: 1 h ahead of GMT. – **Language:** French.

RADIO ALGERIA (Govt.).

ADDR.: 10 rue Hoche, Alger. – **L. P.:** Dir. Regional: Henri Gayraud. Chief-Eng.: Marcel Godin. Chief Editor: Jacques Godiveau. Dir. Prgr.: Pierre Héral. Adm.: Chemineau.

FRENCH NETWORK: Tues, Wed., Fri. 05.30–08.00, 11.00–13.00, 17.00–22.00. Mo., Thurs., Sat.: 05.00–08.00, 11.00–22.00. Sun.: 06.00–22.00. – **Exceptions: Bone** 17.00–22.00. – **Alger OCI:** 11.00–13.00. – **Bougie:** 19.15–22.00.

	kc/s	m	kW		kc/s	m	kW
Alger I	980	306.1	75	Bone	1484	202.2	0.2
Constantine I	1142	262.7	20	Bougie	1594	188	0.6
Oran I	1142	262.7	40	Alger OCI	6160	48.70	25

N.: 06.30, 12.00, 19.00, 21.30. – **Weatherrep.:** 12.00, 19.00 – **Time Sig.:** 06.30, 12.00, 19.00, 21.30.

ARABIC NETWORK: W. 05.30–06.30 (Thurs. 07.00), 10.40–12.45 (Thurs. 13.00), 17.00–21.45. Sun.: 06.00–21.45. – **Exceptions.:** Alger OCI: 19.15–21.45.

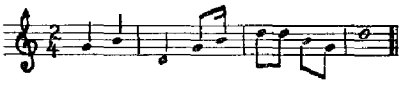
	kc/s	m	kW		kc/s	m	kW
Alger II	890	337.1	50	Oran II	1304	230	40
Constantine II	1304	230	20	Alger OCI	6160	48.7	25

KABYL NETWORK: W.: 05.30–06.30, 11.00–12.00 (Fri. 13.00), 17.00 (Sat. 16.00)–19.15. Sun.: 06.45–08.00, 11.00–14.00, 17.00–19.15. – **Exceptions:** Alger OCI and Michelet: 17.00 (Sat. 16.00)–19.15. –

	kc/s	m	kW		kc/s	m	kW
Alger III	1421	211.2	5	Alger OCI	6160	48.7	25
Michelet	1570	191.0	5				

ANN.: F.: "Ici Radio Algerie. La Radiodiffusion française en Algerie vous parle d'Alger. Nous emettons sur..... Mesdames, Mlles, Messieurs, Bonjour".

INT. SIG.: La Casquette du Pére Bugeaud



VER. by QSL-card. – **F. PL.:** 3 transmitters m.w. 200 kW. 4 transmitters s.w. 50 kW autumn 1957.

★ ANGOLA (Portuguese West Africa) ★

Local Time: 1 h ahead of GMT. – **Language:** Portuguese.

RADIO ANGOLA – EMISSORA OFICIAL (Govt.).

ADDR.: Caixa Postal 1400, Luanda, Angola.

L. P.: Dir. Gen.: Eng. António Jacinto Magro. Dir. Adm.: Abilio Antunes dos. Santos. Dir. Tec.: Eng. Luiz Maria Vicente.

HOME SERVICE: CR6RZ.

1350 kc/s 222.2 m 1/3 kW 9765 kc/s 30.72 m 3 kW
4955 – 60.54 – 3 – 11862 – 25.29 – 10 –

W.: 11.00–13.30, 18.30–22.30. Sun. 08.00–09.30, 11.00–17.00, 18.30–22.30.

N. Commentaries, Weatherrep.: 12.00, 19.00, **Actualities from Angola** (Sun: Mailbag): 13.30–15.30. – **Sporting Events:** Mo. 12.30. – **Radio Theatre:** Tues. 08.00. – **ANN.:** "Aqui Rádio Angola-Emissora Oficial" – **INT.-SIG.:**

VER. by QSL-card.

RADIO CLUBE DE ANGOLA (Comm.).

ADDR.: Rua Dr. Luis Carriço, Caixa postal 229, Luanda. – **Cable:** Radangola Luanda. – **L. P.:** Pres.: Com. Manuel de Albuquerque e Castro. Secr., Dir. Production: Eng. A. Martins da Costa. Chanceler: Henrique Moreira. Production Mgr.: Antonio dos Santos e Sousa. Technical Mgr.: Eng. A. Palmeiro. Directors: Eng. F. Neto, Dr. João A. Casanova Pinto.

HOME SERVICE in Portuguese:

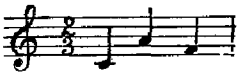
W.: 06.00–07.00, 11.00–13.30, 17.30–21.30. Sun. 09.00–13.30, 16.30–20.00. Sat. 06.00–07.00, 11.00–12.15, 13.00–13.30, 17.30–19.15, 20.00–22.30.

CR6–RL	9632 kc/s	31.15 m	1	kW
CR6–RA	7142 –	42.01 –	0.25	–
CR6–RN	4869 –	61.61 –	1	–

National Music: 06.30–06.45, 11.30–11.45, 13.00–13.15, 19.30–20.00, 20.30–21.00.

N.: 06.20–06.30, 12.00–12.15, 19.00–19.15, 20.25–20.30, 21.00–21.10. **Mailbag:** W. 12.45–13.00. Sun. 16.55–17.00. – **Weatherrep.:** W. 12.10, 19.10. – **Time Sig.:** 06.30, 12.00, 19.00, 21.00.

ANN.: "Luanda, capital de Angola, provincia de Portugal em Africa, fala Rádio Clube de Angola, a vossa estaçao". – **INT.-SIG.:**



VER. by QSL-card and by radio (Thurs. 20.25). – **F. PL.:** New studios.

RADIO CLUBE DE BENGUELA (Comm.).

ADDR.: Caixa Postal No. 19, Benguela. – **Cable:** Radioclub.

L. P.: Pres.: Dr. J. Carvalho Santos. Vice-Pres.: Bernardo Freitas. Dir. Prgr.: S. Coelho. Dir. Tec.: J. B. Afonso. Asst. Dir. Prgr. and Information: Dr. D. J. Campina. Dir. Ser. Adm.: A. A. Fonseca Monteiro.

HOME SERVICE in Portuguese from "A Voz de Benguela" (CR6RF). 5042 kc/s 59.48 m 1 kW: W.: 05.45–06.45, 11.00–12.45, 17.30–9502 – 31.57 – 1 – : 21.00, Sun.: 11.00–14.00, 17.30–21.00

Portuguese Music: W. 12.00–12.20, 18.30–19.00. Sun. 11.00–12.00, 19.00–19.30. – **Mailbag:** Sat. 06.45–07.45 (Portuguese and French). – **Time Sign.:** 06.00, 13.00, 19.00. – **N.:** D. 11.40, 18.15, 20.50 (local). – **Weatherrep.:** D. 11.55. – **Parade of Stars:** Sun. 12.00.

FOREIGN SERVICE in Portuguese: 5042, 9502 kc/s: D. 12.00–12.15, Sat. also 14.00–17.00 to Congo Belge and French Equ. Africa.

ANN.: Home Service: "This is the Voice of Benguela". – a portuguese station "Radio Club de Benguela – una das emissoras angolanas". **Foreign Service:** "This is the Voice of Benguela" – Radio Club de Benguela fala para a Congo Belga e Africa Equatorial Francesa. – **INT.-SIG.: H. Sce:** Solo on Kissange, a native instrument. – **Foreign Sce:** Guitar. – **VER.** by QSL-card.

RADIO CLUBE DO BIE (Commercial).

ADDR.: Caixa Postal 33, Silva Porto.

HOME SERVICE: CR6RO: 4842 kc/s 61.69 m 0.2 kW – 7203 kc/s. 41.65 m 1 kW: 06.15–06.45, 11.30–12.30, 18.30–21.30.

ANN.: "Radio Club do Bié". – **INT. SIG.:** Guitar. – **VER.** by QSL-card.

RADIO DIAMANG (Private non-commercial).

Owned by Companhia de Diamantes de Angola, Dundo.

ADDR.: Radio Diamang, Dundo.

L.P.: Pres.: Eng. R. S. de Sousa.

HOME SERVICE: W. 18.00–19.30. Sun. 11.00–12.30.

	kc/s	m	kW		kc/s	m	kW
CR6RG	4770	62.89	1	CR6RI	4977	60.28	1
CR6RR	4924	60.92	1	CR6RR	6105	49.14	1
CR6RS	4941	60.72	1	inactive			

ANN.: "Aqui Dundo, Angola, Africa Ocidental Portuguesa, Estaçao Emissora CR6RG, Radio Diamang". – **INT. SIG.:** At opening notes from "quissange" played on native musical instrument, followed by the march "Calling all Workers". At close down chimes followed by Portuguese National Anthem. – **VER.** by QSL-card.

RADIO CLUBE DE HUAMBO (Comm.)

ADDR.: Caixa Postal 125, Nova Lisboa. **Cable:** Radihuambo.

L.P.: Pres.: D. J. G. da Silva jr. Vice Pres.: A. A. da Motta Veiga Secr. Gen.: A. P. da Conceiçao. Adm.: N. Ribeiro Vaz.

STATIONS: CR6RQ 4851 kc/s 61.84 m 1 kW. – CR6RD 7152 kc/s 41.94 m 0.75 kW.

HOME SERVICE: W. 06.00–07.00, 11.00–13.00, 17.30–21.00. Sun.: 06.00–10.00, 11.00–13.30, 14.30–18.00. – **N.:** 11.30, 18.45. – **Mailbag:** Wed. 18.00.

FOREIGN SERVICE: F.: D. 20.30–21.00 to Congo Belge, A.E.F. **ANN.: Home Sce.:** "Aqui Nova Lisboa. R. Clube do Huambo, uma voz Portuguesa em Africa." **Foreign Sce.:** "Ici Nova Lisboa. R. Clube de Huambo une voix Portugaise en Afrique." – **INT.-SIG.:** "Quissance" – motif from an Angola-melody. – **VER.** by QSL-card.

RADIO CLUBE DE HUILA (Comm.).

ADDR.: Caixa Postal 111, Sá da Bandeira.

HOME SERVICE CR6RH:

5024 kc/s 59.71 m 0.4 kW W.: 06.15–07.15, 11.15–12.45, 18.00–21.00
9755 kc/s 30.76 m 1 kW Sun. 11.15–13.30.

ANN.: "Radio Clube de Huila". – **INT. SIG.:** First movements from "Minho". – **VER.** by QSL-card.

RADIODIFFUSORA LOBITO (Comm.).

ADDR.: Estaçao Radio Difusora CR6AA, Av. do Imperio P.O. Box 103, Lobito. – **Cable:** Radiodifusora. – **L.P.:** Dir. Owner: Alvaro de Carvalleo. Asst. Maria A. Costa. Asst. Tec.: Joao D. Correia.

HOME SERVICE: CR6AA 1 kW.

5033 kc/s 59.59 m: 16.00–22.00 in P. and E.
7115 kc/s 42.16 m: 06.00–07.00, 11.30–12.45 in P.

ANN.: P.: "Lobito, Angola Africa Ocidental Portuguesa.". – E.: "This is Lobito, Angola, Portuguese West Africa. Short Wave Station CR6AA". – **INT.-SIG.:** 3 gong notes. – **VER.** by QSL-card.

RADIO CLUBE DE MOCAMEDES (Comm.).
ADDR.: Caixa Postal No. 174, Mocamedes.
HOME SERVICE: 11.00–13.00, 17.30–20.00.
CR6RM 7230 kc/s 41.49 m 1 kW. – VER. by letter.

RADIO CLUBE DE MALANGE (Comm.).
ADDR.: Caixa Postal no. 83, Malange.
HOME SERVICE: CR6RE 7140 kc/s 42.02 m 0.6 kW:
W.: 07.00–08.00, 12.00–14.00. Sun.: 07.00–08.30, 12.30–14.30, 18.00–22.00. – ANN.: "Radio Clube de Malange". – INT.-SIG.: The march "O piranga". – VER. by QSL-card.

RADIO CLUBE DO SUL ANGOLA (Comm.).
ADDR.: Caixa Postal 56, Lobito.
HOME SERVICE: CR6RK 3400 kc/s 88.24 m 0.75 kW: 11.00–13.00, 17.30–22.00.
INT. SIG.: 4 notes on guitar from "Maria da Fonte".

RADIO CLUBE DO CUANZA SUL (Comm.).
ADDR.: Caixa Postal No. 10, Novo Redondo.
HOME SERVICE: CR6RP: 4932 kc/s 60.82 m 0.2 kW:
11.15–11.45, 17.30–19.30.
ANN.: "Radio Clube Cuanza Sul". – INT. SIG.: Guitar.
VER. by QSL-card.

RADIO ECLESIA (Catholic), Luanda CR6RB 7263 kc/s 41.31 m. 07.00–09.00, 10.00–12.30, 15.00–17.00, 18.00–21.00.

★ BECHUANALAND (British Protectorate) ★

Local Time: 2 h. ahead of GMT. – **Language:** English.

ADDR.: ZNB Broadcasting Station, c/o Director of Public Works, Box 106, Mafeking.
STATIONS: ZNB 8230 kc/s 36.45 m 0.25 kW
5900 – 50.84 – 0.25 –
D.PRGR.: 11.00–12.00, 17.00–19.00(Sun. 18.00–19.00).
VER. by QSL-card. Return postage required.

★ BELGIAN CONGO ★

Local Time: Leopoldville: 1 h. ahead of GMT. – Elisabethville, Ruanda-Urundi: 2 h. ahead of GMT. – **Languages:** French & Flemish.

LEOPOLDVILLE OTC (see Belgium).

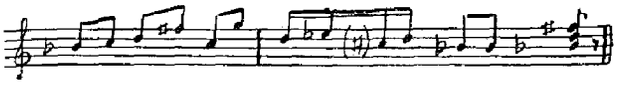
RADIO CONGO BELGE (Govt.).
ADDR.: P.O. Box 3171, Leopoldville, Kalina.
HOME SERVICE: For Europeans and educated Africans:

Call.	kc/s	m	kW	
OTM1	6140	48.86	7.5	05.00–06.30, 10.15–12.30, 15.30–21.00
OTM2	9380	31.99	50	05.00–06.30, 15.30–21.00
OTM4	11720	25.60	50	10.15–12.30

N.: 06.00(F.), 06.08(Fl.), 10.30(F.), 10.40(Fl.), 11.30(F.), 11.40(Fl.), 18.00(F.), 18.45(Fl.), 20.45(F.), 20.52(Fl.).
For Africans in Belgian Congo and Ruanda Rundi:

Leopoldville	11670 kc/s	25.70 m	50 kW	10.30–12.00
–	9210 –	32.57 –	50 –	16.30–19.00
Stanleyville	6085 –	49.30 –	3 –	15.30–19.00
Elisabethville	6030 –	49.75 –	3 –	15.30–19.00

ANN.: In F.: "Ici Radio Congo Belge". In Fl.: "Hier Radio Belgisch Kongo". – INT. SIG.: Native xylophone beat. – VER. by QSL-card.



RADIO COLLEGE (Pr.).
ADDR.: Radio Collége, B.P. 296, Elisabethville. – L.P.: RR. P. P. Salesiens, Ecole Officielle pour Garçons Européens, Collége Saint François de Sales.
STATIONS: Elisabethville OQ2AC, 0.25 kW
3390 kc/s 88.50 m – 7200 kc/s 41.67 m – 4980 kc/s 60.25 m
D.PRGR. in F. (Fri. in Fl.): W. 16.30–17.30, Sun. 07.00–10.00.
ANN.: F.: "Ici Radio-College, station de radiodiffusion privée située au College Saint François de Sales, à Elisabethville, Congo-Belge". Fl.: "Hier Radio-College, eigen zender van het Sint Franciscus College te Elisabethstad, Belgisch Kongo".
INT. SIG.: Open with "Marche du Baron Tzigane (Joh. Strauss). Close with "Marche Indigo". – VER. by QSL-card. Return postage preferred.

RADIO LEO (Pr.-Religious. Operated by the Jesuits of Leopoldville)
ADDR.: College Albert I, B.P. 3165, Leopoldville. – L.P.: Rector of College Albert I'.
HOME SERVICE in F.: Sun. only 08.00–10.00.
OQ2AA 11720 kc/s 25.60 m 7 kW.
Music, actualities, literary prgr. etc.
ANN.: "Ici Radio Leo, Leopoldville, Congo Belge, station privée de Radiodiffusion du college Albert I". – VER. by letter.

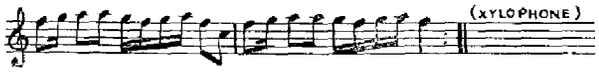
RADIO ELISABETH – (financed by the suscriptions of listeners).
ADDR.: A. F. M. Schovens, Box 1039, Elisabethville.
STATIONS: Elisabethville. OQ2AB 0.25 kW.
7150 kc/s 41.96 m – 11900 kc/s 25.21 m: 13.30–16.00 (Sun. only).
VER. by QSL-card.

RADIO UFAC
ADDR.: 40/45. Boite Postale 97, Elisabethville.
OQ2AD 3 kW 4980 kc/s 60.25 m: W. 17.30–19.30. Sun.: 09.00–09.00, 10.30–13.00, 16.00–19.30. – 7156 kc/s 41.93 m: Sun.: 08.00–09.00, 10.30–13.00. F.: D. exc. Wed. 10.30–13.00. Fl.: Wed., Sun. 16.00–19.30.
LES AMIS DE L'ATHENEE DE:
Luluabourg – OQ2AE 5990 kc/s 50.08 m: From Sept. to June on Sun. 07.00–09.00, Wed. 16.00–17.00. – Stanleyville – OQ2AF 6085 kc/s 49.30 m: schedule not fixed. – Coquilhatville – OQ2AG 7255 kc/s 41.36 m: Sun. 09.15–10.15. – Bukavu – OQ2AH 7212 kc/s 41.60 m: Sun. 08.30–10.00.

★ CAMEROON (French) ★

Local Time: 1 h ahead of GMT. – **Languages:** French, Vernaculars.

RADIODIFFUSION DU CAMEROUN (Govt.).
ADDR.: B.P. 281. Yaounde. – L.P.: Dir.: Louis C.D. Joos.
RADIO DOUALA:
ADDR.: Avenue de Gaulle, Boite Postale 986, Douala. – Cable: Radiodouala. – L.P.: Dir. Adm.: Editor O. Deletré. Chief Eng., Dir. Prgr.: Francis Péré.
HOME SERVICE: W.: 06.00–07.00, 11.15–12.30, 17.00–20.30. Sun.: 09.00–13.00, 18.00–20.30.
1448 kc/s 207 m 1 kW – 6115 kc/s 49.07 m 1 kW.
N.: 18.30–19.00. – Request Prgr.: In African: Sat. 17.00–18.00. In French: Sun. 12.00–13.00. – Time Sig.: 18.30. – Prgr. in vernaculars daily from 17.00–18.00.
ANN.: "Ici Douala, Radiodiffusion du Cameroun". – INT. SIG.: Eight first movements of "Alouette – – – gentille allouette" on xylophon



VER. by QSL-card. Return postage required.

RADIO YAOUNDE
ADDR.: Radio Yaounde, B.P. 281, Yaoundé. – L.P.: Station Mgr.: Bernard Saxel. Chief Eng.: Michel Houdry.
HOME SERVICE: W.: 06.00–07.00, 11.15–12.30, 17.00–21.00. Sun.: 08.00–10.00, 17.00–21.00.
1538 kc/s 195 m 1 kW – 4975 kc/s 60.30 m 4 kW.
Cameroon Music: 17.00–18.00. – N.: 18.30–19.00 (F.). – Lessons (Ewondo-French): 17.00–17.30 (Mo., Fri.). – Weatherrep.: 18.58. – Religious: Sun. 08.45–10.00. – Jazz and songs: Thurs., Sat. 19.00–21.00.
ANN.: "Ici Yaoundé, Radiodiffusion du Cameroun". – INT. SIG.: Le Reveil-Matin by Couperin. – VER. by QSL-card.
R. Doula and R. Yaounde alternatively relaying each other: 06.00–07.00, 11.15–12.30.
F.PL.: Radio Garoua has finished its experimental transmissions. A small "Radio House" now under construction, and arrival of a 1 kW transmitter expected soon; exact frequency not yet determined.

★ CANARY ISLANDS (Spanish) ★

Local Time: GMT. – **Language:** Spanish.

RADIO LAS PALMAS (Comm.).
ADDR.: Calle Trianum 134 Dpdo., Las Palmas de Gran Canaria.
L.P.: Dir.: D. Pedro Pastor Segura.
HOME SERVICE: D.: 11.30–23.00.
EAJ50 1313 kc/s 228.5 m 0.5 kW. – Weatherrep.: 14.30.
ANN.: "Transmite la Estacion E.A.J. 50 Radio Las Palmas". – INT. SIG.: Pasodoble "Islas Canarias". – VER. by letter.

RADIO CLUB TENERIFE (Cultural and Comm.).
ADDR.: Apt. de Correos 225, S. Cruz de Tenerife.
L.P.: Pres.: J. G. Sanjuan. Tec. Dir.: Padrón.
HOME SERVICE:
EAJ43 1412 kc/s 212.4 m 0.4 kW 12.30–15.30, 18.00–23.00
EAJ8AB 7295 – 41.12 – 0.25 – 21.00–23.00
N.: 13.45 (1412 kc/s only), 21.45. – Folklore-music: Mo. 22.00. – Time Sig. (chimes): 14.00, 22.00.

ANN.: "R. Clube Tenerife, S. Cruz da Tenerife. – INT. SIG.: At the opening "Los Voluntarios". – "Islas Canaris": 22.01. – VER. by QSL-card.

RADIO ATLANTICO
ADDR.: Buenos Aires 26, Las Palmas. – L.P.: Dir.: Christobal M. Ortega.
HOME SERVICE in Sp. and E.:
REM34 1500 kc/s 200 m 2 kW 11.00–15.00, 19.00–24.00.
7000 kc/s 42.86 m 0.3 kW 13.00–15.30, 19.00–24.00.
9490 kc/s 31.61 m 3 kW 13.00–15.30, 22.00–24.00.
ANN.: E.: "This is Radio Atlantico, inviting you to visit the beautiful island of Gran Canary. Here you find a friendly welcome." – Sp.: "Radio Atlantico Emisoras Sindical de Las Palmas de Gran Canaria en las Islas Canarias." – VER. by QSL-card.

★ CAPE VERDE ISLANDS ★

Local Time: 2h behind GMT. – Language: Portuguese.

RADIO CLUBE DE CABO VERDE, Praia, Isle of Santiago. (Pr.)
L. P.: Pres.: M. T. Dias.
HOME SERVICE:
CR4AA 5895 kc/s 50.90 m 0.4 kW – 7135 kc/s 42.05 m 3 kW: 20.00–22.00. N.: 20.45, 21.30. Weatherrep.: 21.15. – VER. by QSL-card.

RADIO CLUBE MINDELO, S. Vicente. (Pr.)
L. P.: Pres.: Dr. A. Feijóo Pereira. Dir. Tec.: José de Azevedo;
HOME SERVICE: CR4AB 3960 kc/s 75.76 m 0.08 kW, 22.00–24.00. N.: 23.00. Weatherrep.: 22.27. Prgr. Prev.: 22.05 – ANN.: "Aqui S. Vicente de Cabo-Verde, Provincia Ultramarina de Portugal. Rádio Clube de Mindelo, estaçao emissora de ondas curtas na banda de 75 m. frequencia de 3960 kc/s. – VER. by letter or QSL-card. Return postage required.

★ DAHOMEY (French West Africa) ★

Local Time: 1 h. ahead of GMT. – Languages: French, Vernaculars.

RADIO COTONOU (Govt.).
ADDR.: R. Cotonou, Cotonou. – L. P.: Station Dir.: René Weill.
HOME SERVICE in F., Fon, Yoruba Dendi, Mina:
1475 kc/s 203 m 1 kW } W.: 06.00–08.00, 11.15–12.15, 17.20–21.30
4870 – 61.60 – 1 – } Sun.: 08.30–12.15, 17.20–21.30.
In F.: N.: Mo.-Fri. 11.40. D. 19.00 – Weatherrep.: D. 19.20. – VER. by letter. – F. PL.: During 1957 a morning transmission from 05.45–06.30. – INT.-SIG.: Dahomey Tam Tam.

★ EGYPT ★

Local Time: 2 h ahead of GMT. – Language: Arabic.

EGYPTIAN BROADCASTING SERVICE (Govt.).
ADDR.: Office and Studio Centre I, 4 Sheriffein Street, Cairo. – Studio Centre II, 5 Elwi Street, Cairo. – Cable: Kahiradio.
L. P.: Gen. Mgr.: M. Amin Hammad, Deputy Gen. Mgr. (Engineering): Salah Amer. Gen. Controller Arabic Prgr.: Abdel Hamid Younis. Gen Controller Foreign Prgr.: Abdel Hamid El Hadidi. Gen. Controller Main Stations (Engineering): Eng. Elgarhi I. El. Kashlan. Gen. Controller of Subsidiary Stations and Propagation: Eng. M. Ezeldin Fouad. Gen. Controller of Adm.: M. M. Taifour.
STATIONS:
Medium Waves:

	kc/s	m	kW		kc/s	m	kW
Cairo III	557	538.6	100	Assiut	980	306.1	2
Cairo II	620	483.9	100	Minia	1079	278.0	2
Cairo I	773	388.1	100	Sohag	1142	262.7	2
Luxor	926	324.0	2	Assouan	1178	254.7	2
				Alexandria	1205	249.0	2

Short Waves: Cairo 50/70/90/100 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6215	48.27	7330	40.93	9790	30.64	17765	16.89
7050	42.55	9475	31.66	11670	25.71		

HOME SERVICES

MAIN ARABIC PRGR.:
04.00–07.00 on 620/926/980/1079/1142/1178/7330/11670 kc/s.
07.00–10.00 on 773/926/980/1079/1142/1178/9790 kc/s
10.00–11.00 on 773/9790 kc/s.
11.00–12.00 on 773 kc/s.
12.00–13.00 on 773/926/980/1079/1142/1178/7330/11670 kc/s.
13.00–14.30 on 773 kc/s.
14.30–23.15 on 773/926/980/1079/1142/1178/7330/11670 kc/s.
National Music: 05.00, 06.30, 07.45, 09.30, 10.45, 11.45, 12.50, 15.15, 17.50, 18.45, 21.15. – N. Commentary Weatherrep.: 04.45, 06.00, 12.30, 14.30, 15.00, 18.30, 21.00, 23.00 (Sun. 22.00). – Mailbag and Request Prgr.: 07.00–08.00 (Fri.), 12.00–12.30 (Tues., Sat.), 20.30–21.00, 21.15–21.45 (Wed.). – Time Sig.: Cairo University Clock at the beginning of the main N. Bulletins. Time Dots are broadcast each halfhour, only between prgr. items ,but not during any individual item. – Prgr. Prev.: 04.00, 14.45.

SECOND ARABIC PRGR. & VOICE OF ARABIC (for Egypt & Middle East):

03.30–04.30*	7050	kc/s	14.00–16.00**	620/7050/9790	kc/s
04.30–05.30**	7050	–	16.00–17.00*	7050/9790	–
11.00–12.00*	7330/11670	–	17.00–22.00*	620/7050/9790	–
13.30–14.00***	620	–			

*) Voice of Arab. **) Sudanese prgr. ***) Palestinian prgr.
N. & Commentary: 04.00, 05.00, 11.30, 14.20, 14.40, 15.45, 18.00, 20.15. – Mailbag & Request Prgr.: D. 17.09, 17.30 (Palestine Mail); Sun., Tues., Fri.: 18.20, 19.00. – Prgr. Prev.: 05.25, 11.53, 16.00, 21.53.

FOREIGN LANGUAGE PRGR.:

	Language	kc/s	N.		Language	kc/s	N.
05.30–07.00	F.	557	06.00	17.00–18.00	I.	557	17.45
10.30–12.30	F.	557	12.00	18.00–19.00	E.	557	18.45
12.30–13.00	G.	557	12.50	19.00–21.00**	F.	557/9475	19.00
15.00–16.00	*	557					
16.00–17.00	Greek	557	16.45				

*) Sun., Mo., Thurs. F.; Tues. I.; Wed. Greek; Fri. 15.00 Armenian, 15.30 E; Sat. E; **) Sat., Sun. 23.00.
Mailbag & Request Prgr.: E.: Wed. 18.00, Fri., Sun. 18.15. – F.: Sun. 08.00 (classical), 10.30, 11.40 (fortnightly). – Greek: Tues., Thurs. 16.00. – I.: Tues., Thurs. 17.00.
ALEXANDRIA REGIONAL PRGR.: 16.00–23.15. Arabic on 1205 kc/s.

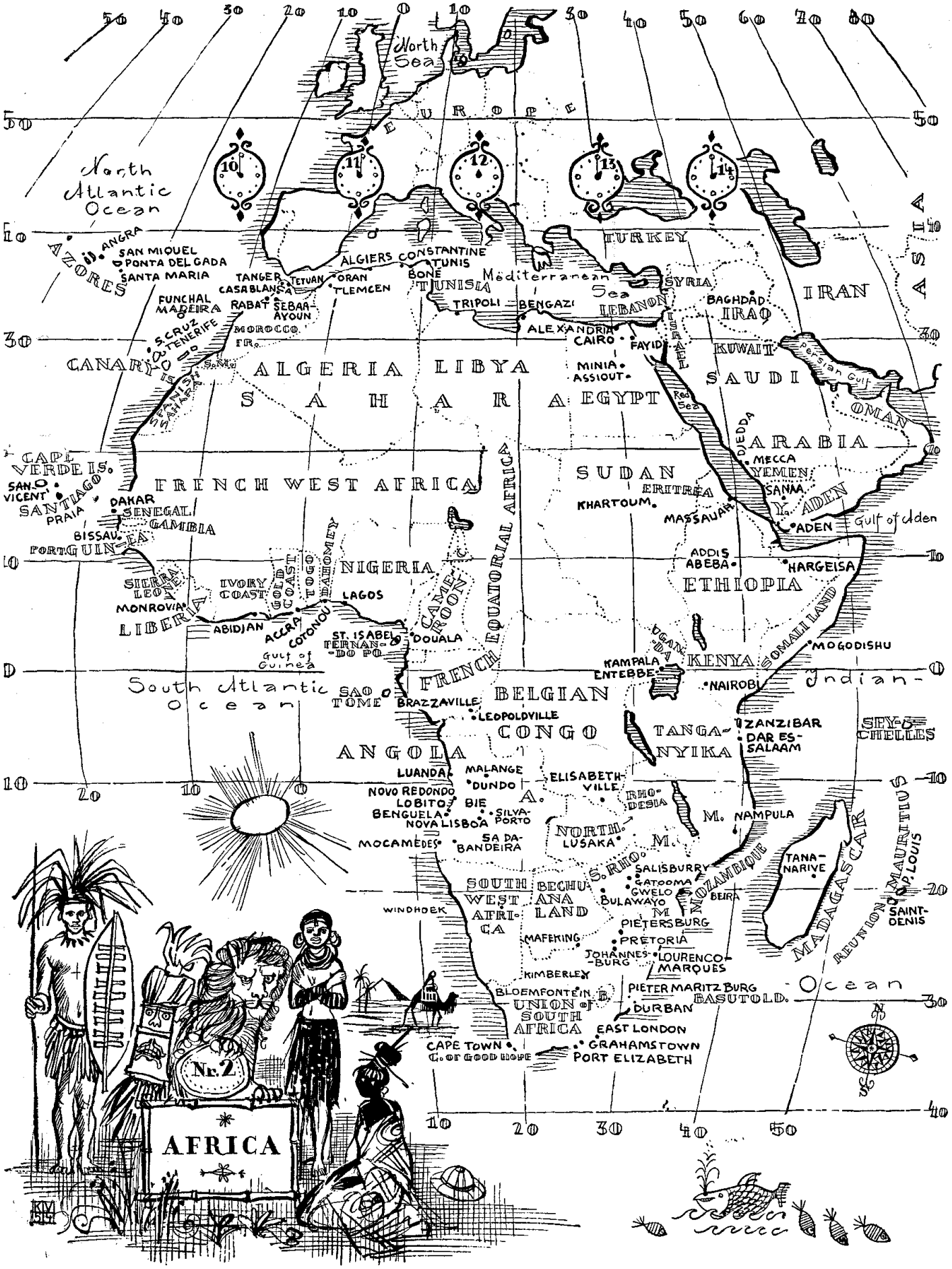
FOREIGN SERVICE

TO ISRAEL: 03.15–04.15. – Hebrew on 557/7330 kc/s. N. 03.25, 16.00, 17.00. Hebrew & German on 620 kc/s. N. in Hebrew: 16.15.
TO M. EAST: 07.00–07.30. – Arabic on 11670 kc/s (dictation news).
TO EUROPE: 07.40–08.10. – Arabic on 11670 kc/s (dictation news); 19.00–21.00 (Sat., Sun. 23.00). – F. on 9475 kc/s. N. 19.00.
TO S. & S. E. ASIA: 11.00–14.00 on 17765 kc/s. Arabic: 11.00–11.30. N.: 11.02, 11.50. – Indonesian: 11.30–12.30. N.: 11.50. – Malay: 12.30–12.45. N.: 12.32. – E.: 12.45–13.10. N.: 13.00. – Urdu: 13.15–14.00. N.: 13.30.
TO AFRICA: 14.15–16.30 on 17765 kc/s: Sudanese Dialects: 14.15–14.30. N.: 14.22. – Amharic: 14.30–15.00. N.: 14.32. – Arabic: 15.00–15.30. N.: 15.07. – Tigrim: 15.30–16.00. N.: 15.32. – Swahili: 16.00–16.30. N.: 16.02.
To IRAN: 17.00–18.00.: Iranian on 9475 kc/s. N.: 17.15.
To TURKEY: 18.10–18.50: Turkish: on 9475 kc/s. N.: 18.30.
To S. AMERICA on 11670 kc/s: Portuguese: 23.30–24.00. N.: 23.32 – Spanish: 00.00–00.30. N.: 00.02. – Arabic: 00.30–01.30. N.: 00.32.
To N. AMERICA: 00.30–01.30: Arabic on 6215 kc/s. N.: 00.32.
ANN.: Arabic: "Huna El Kahira". – E.: "This is Cairo Calling" – F.: "Ici Le Caire". – G.: "Hier ist Kairo". – I.: "Qui la Radio Egiziano che Ri Parla dal Cairo". – Greek: "Etho Cairo". – Armenian: "Hoss Radio Gayranne". – Indonesian: "Dissini Pamenger Radio Misir". – Malay: "Dissini Kahirah". – Urdu: "Ye Kahira He". – Amharic: "Ya Cairo Radiotabia". – Tigrini: "Nai Cairo Dahia". – Swahili: "Hi Ni Cairo". – Iranian: "I njah Kahira Ast". Turkish: "Boraci Kahire". – Sp.: "Aqui El Cairo". – P.: "Aqui Fala ou Cairo". – Hebrew: "Kal Kahir".
INT.-SIG.: Camel Bells. – VER.: Reports wanted. They are answered by QSL-card. Reports should be adressed to Monitoring Dept.: Engineering Section, E. i/c Essam Issa, Egyptian Broadcasting, Cairo. – F. PL.: A new 50 kW sw transmitter projected. – PUBLICATION: "Broadcasting" (in Arabic).

★ ETHIOPIA ★

Local Time: 3 h. ahead of GMT. – Language: Amharic, English.

RADIO ADDIS ABABA (Govt.).
ADDR.: P.O. Box 1364, Addis Abeba. – L. P.: Act. Vice-Minister Ato Mammo Fadessa. Directors: Ato Kebede Asfaw, Ato Tadessa Abebe. Dir. Prgr.: Ato Makonnen Ayale. Publicity & Comm. Mgr.: Leslie H. Cramer.
STATIONS: Addis Ababa.
6419 kc/s 46.73 m 0.5 kW 15010 kc/s 19.99 m 7.5 kW
9620 – 31.19 – 2.5 –
HOME and FOREIGN SERVICE: in Amharic, English
Amharic: D. 05.00–05.30, 09.30–10.00, 11.00–12.00, 16.30–18.00 on 6419/9620/15010 kc/s.
N. in Amharic: 05.15, 11.30, 17.00.
English: D. 10.00–11.00. 16.00–16.30, 18.15–19.30 on 9620/15010 kc/s.
N. in English: 10.30, 18.15. – Religious: Sun. 13.45–15.45.
ANN.: E.: "Radio Addis Ababa, The Voice of Ethiopia". – VER. by letter or postcard. Return postage required.


North Sea
EUROPE
North Atlantic Ocean
AZORES
ANGRA
SAN MIQUEL
PONTA DEL GADA
SANTA MARIA
TANGER
TETUAN
CASABLANCA
ORAN
TLEMCEN
ALGIERS
CONSTANTINE
TUNIS
BONE
TUNISIA
Mediterranean Sea
TURKEY
SYRIA
LEBANON
BAGHDAD
IRAQ
IRAN
ASIA
FUNCHAL
MADEIRA
RABAT
SEBAA-AYOUN
MOROCCO
FR.
S. CRUZ
TENERIFE
CANARY IS.
SPANISH SAHARA
ALGERIA
LIBYA
SAHARA
EGYPT
TRIPOLI
BENGAZI
ALEXANDRIA
CAIRO
FAYID
MINIA
ASSIOUT
ISRAEL
KUWAIT
Persian Gulf
SAUDI
OMAN
Red Sea
JEDDA
ARABIA
MECCA
YEMEN
SANA
Y. ADEN
ADEN
Gulf of Aden
CAPE VERDE IS.
SAN VICENT
SANTIAGO
PRAIA
DAKAR
SENEGAL
GAMBIA
BISSAU
PORTGUIN-EA
FRENCH WEST AFRICA
SUDAN
ERITREA
KHARTOUM
MASSAUAH
ADDIS ABEBA
HARGEISA
ETHIOPIA
SIERRA LEONE
MONROVIA
LIBERIA
IVORY COAST
GOLD COAST
DAHOMEY
NIGERIA
LAGOS
ABIDJAN
ACCRA
COTONOU
CAMEROON
ST. ISABEL
FERNAN-DO PO
DOUALA
Gulf of Guinea
FRENCH EQUATORIAL AFRICA
UGANDA
KENYA
SOMALI LAND
MOGODISHU
KAMPALA
ENTEBBE
NAIROBI
Indian Ocean
South Atlantic Ocean
SAO TOME
BRAZZAVILLE
LEOPOLDVILLE
BELGIAN CONGO
TANGA-NYIKA
ZANZIBAR
DAR ES-SALAAM
SEY-CHELLES
ANGOLA
LUANDA
MALANGE
DUNDO
ELISABETH-VILLE
NOVO REDONDO
LOBITO
BIE
BENGUELA
NOVA LISBOA
SILVA-PORTO
RHO-DESIA
NORTH. LUSAKA
M. NAMPULA
MOCAMEDES
SA DA-BANDEIRA
S. RHO.
SALISBURY
GATOOMA
GWELO
BULAWAYO
BEIRA
MOZAMBIQUE
TANA-NARIVE
MADAGASCAR
MAURITIUS
P. LOUIS
REUNION
SAINT-DENIS
SOUTH WEST AFRICA
BECHU-ANA LAND
WINDHOEK
PIETERSBURG
MAFEKING
PRETORIA
JOHANNES-BURG
LOURENCO-MARQUES
KIMBERLEY
BLOEMFONTEIN
PIETER MARITZ BURG
BASUTOLD.
DURBAN
UNION of SOUTH AFRICA
EAST LONDON
GRAHAMSTOWN
CAPE TOWN
C. OF GOOD HOPE
PORT ELIZABETH
Nr. 2
AFRICA

ERITREA

ARMED FORCES RADIO SCE. (U.S. Military)
Asmara ATRS: 1500 kc/s 0.05 kW: 03.30–24.00.

★ FRENCH EQUATORIAL AFRICA ★

Local Time: 1 h ahead of GMT. – Language: French.
RADIO BRAZZAVILLE (Govt.).
ADDR.: B. P. 108, Brazzaville, A. E. F. Cable: "Radiodiffusion Brazzaville".
L. P.: Chief-Eng. of the Telecommunications: Yvan Merlet. Adm.: Auguste Taillade. Chief-Eng.: Henri Defroyenne. Dir. of News and Information: Pierre Ponti. Dir. English Prgr.: Richard Neville. Dir. of Radio AEF: Marcel Villeneuve. Dir. of Prgr.: Julien Prevost.

STATIONS:

5970 kc/s	50.25 m	3 kW	–	11970 kc/s	25.06 m	50 kW	
9625 –	31.16 –	50 –	–	15420 –	19.45 –	50 –	
9730 –	30.83 –	7 –	–				

Beamed Areas: I = Africa; II = C. Congo, C. Africa; III = Middle East, Arabia, Syria, Iraq; IV = Far East, China, Japan, Indo-China, India, Pakistan, Malaya; V = Brazzaville, Leopoldville; VI = C. Congo, Gabon, Cameroons; VII = N. Africa, Sahara, Tchad; VIII = Tchad, Oubaugue; IX = M. East, Iran, Israel, Egypt, Syria, Lebanon, Jordan, Sudan; X = Madagascar, Reunion, Rhodesia, Mozambique; XI = S. America; XII = N. & C. America, Antilles, Guiana, Northern part of S. America.

Time	kc/s	Beamed Areas	News
05.00–07.00	5970 9730 11970	I	05.00(F), 05.15(E). 06.00(F), 06.50(F).
11.00–12.20	5970 15420	II III	11.00(E), 11.30(F).
13.30–15.15	15420	IV	
14.00–17.00	1484 4795 5970 9625 15440	V II VI VII VIII	13.30(F), 14.30(E), 15.00(F) Sport & Music; relay from Paris. Sun only.
17.00–18.25	9730 11970	X IX	17.00(F), 17.30(E), 18.15(P).
18.30–23.50	11970	I	18.30(F), 19.00(E), 19.15(P). 22.00(F), 22.45(E), 23.30(P).
23.00–02.00	9625	XI	23.30(P), 23.50(F), 00.00(Sp)
00.45–02.00	9730	IV	00.45(F).
00.00–02.00	11970	XII	01.15(E), 02.15(Sp), 03.00 (E), 04.00(E).

RADIO AEF

1485 kc/s	202 m	0.8 kW	–	9625 kc/s	31.16 m	50 kW	
3232 –	92.84 –	1.5 –	–	9964 –	30.10 –	1.5 –	
4795 –	62.57 –	1.5 –	–	15420 –	19.45 –	1.5 –	
5970 –	50.25 –	3 –	–	15440 –	19.43 –	1.5 –	

R. A.E.F.: D. 17.00–20.30 (Sun. also 14.00–17.00).
14.00–17.00 (Sun) on 1485, 4795, 5970, 9625, 15440 kc/s.
17.00–18.00 on 1484, 3232, 5970, 9625*, 9964, 15420 kc/s.
18.00–20.30 on 1484, 3232, 5970, 9964 kc/s.
* 50 kW transmitter for the Northern part of A.E.F.
17.00–18.30 for African listeners. 18.30–19.00 N. in French. (relay R. Brazzaville). 19.00–20.30 mainly musical prgr. – Time-Sig.: 17.45–17.50. – Weatherrep.: 19.00. – Religious: Sun.: 17.00–17.10, (catholic), 17.30–17.40 (protestant). From the Qur'an: Fri. 17.00–17.10. Sport and Music (from Paris): 14.00–17.00.
ANN.: Radio Brazzaville: F.: "Ici Brazzaville, Poste National Francais" – E.: "This is Radio Brazzaville, the French National Broadcasting Station in Central Africa" – P.: "Aqui Radio Brazzaville, Emissora Nacional da Franca na Africa Equatorial". – Sp.: "Aqui Radio-Brazzaville, Emisora Nacional Francesa". – Radio A.E.F.: French: "Ici Radio A.E.F.".
INT.-SIG.: When the station switches over from one direction to another a call signal of five different notes is played on a native instrument (Kisanzi) concisting of several vibrating iron bars attached to wooden box. – VER. by QSL-card. Return postage required.

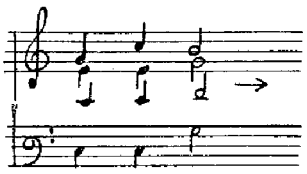
R. TCHAD (Govt).
ADDR.: R. Tchad, Fort-Lamy (Tchad). – L. P.: Dir. G. Violante.
STATION: 3288 kc/s 91.24 m 4 kW.
HOME SERVICE: in F, Sara-Arabic, Lingala: 10.30–11.15, 12.15–12.45, 17.30–19.45. F.: 12.15–12.45, 18.30–20.45. N.: 12.15–12.30, 18 45–18.50.

★ GOLD COAST ★

Local Time: GMT. – Languages: English and 6 Gold Coast dialects.
GOLD COAST BROADCASTING SERVICE (Govt.).
ADDR.: Broadcasting House, Accra. Cable: Broadcast.
L. P.: Dir. Broadc.: J.B.Millar B.A., M.B.E. Chief-Eng.: A.W. Busby. A.M.I.E.E. Dir. Prgr.: H.V.L. Swanzy, B.A. Head of N.: I. Wilson.

HOME SERVICE: ZOY 1.3/5/20 kW. d.
3366 kc/s 89.12 m, -4915 kc/s 61.04 m. – 6015 kc/s 49.88 m.
W.: 05.55–07.30, 12.00–18.00, 18.15–22.00. Sun.: 05.55–09.00, 09.15–18.00, 18.15–22.00.
E.: N.: D. 12.45, 21.15. BBC N. (and Big Ben) rel.: D.: 06.00, 07.00, 11.00, 13.00, 14.00, 18.00. – Language Lessons: W.: 06.30, 21.25. – Mailbag: Fri. 19.15. Sat. repeated: 14.15. – Weatherrep.: D.: 10.50, 17.45. – Prgr. Preview: D.: 05.55, 12.00, 15.45.
Gold Coast Dialects: N.: D. 12.15–12.45 (Haussa, Ewe, Twi, Ga, Fante) 16.30–17.15 (Haussa, Dagbani, Ewe, Twi, Ga, Fante). – Gold Coast Music: Wed.: 18.30–19.00, 20.45–21.15, Sat. 15.00–15.30.
ANN.: "This is the Gold Coast Broadcasting Service" or "This is ACCRA calling in the Gold Coast Broadcasting Service".

INT.-SIG.: G.C.B. played on piano.



VER. by QSL-card. Return postage required.

★ GUINEA (French) ★

Local Time: GMT. – Language: French.
RADIO CONAKRY (Govt.).
ADDR.: Service de l'Information, Conakry.

HOME SERVICE: 4910 kc/s 61.10 m.
W. exc. Fri.: 12.15–13.15 (Sat. 13.30), 19.00–21.30. Sun. 12.00–13.30, 19.00–21.30. – N.: 19.30. – ANN.: "Ici Conakry, Radiodiffusion Française d'Outre-Mer".

INT.-SIG.: Opening selection is "Marouf".

★ GUINEA (Portuguese) ★

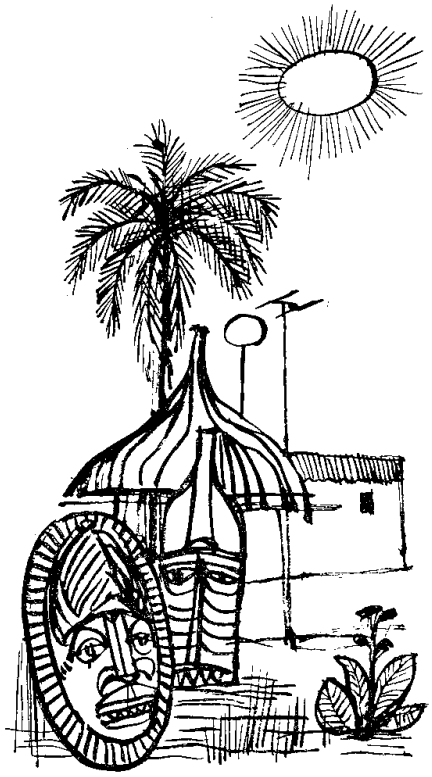
Local Time: 1 h. behind GMT. – Language: Portuguese.
EMISSORA DA GUINE (Govt.).
ADDR.: Emissora da Guiné, Bissau. Cable: Radiodifusao. – L. P.: Pres.: Eng. A. dos Santos.

HOME SERVICE: 21.30–23.00.
Bissau, CMQ 3975 kc/s 75.48 m 1 kW (to be 5 kW).
N.: 21.45–21.50 (local), 22.15–22.25. Request: Thurs. 21.30. Portuguese Music: 22.00–22.15. Weatherrep.: 22.45.
ANN.: "Aqui Bissau, Emissora da Guiné". – INT.-SIG.: "Variations in D-minor" by Arthur Paredes played on guitar. – VER. by QSL-card.

★ GUINEA (Spanish) ★

Local Time: 1 h. ahead of GMT. – Language: Spanish.
EMISORA DE RADIODIFUSION SANTA ISABEL (Govt.)
ADDR.: Apartado de Correios no. 195, Santa Isabel.
L. P.: Dir.: Angel G. Margallo Barbera.
D. PRGR. in Sp., P., F., E.: W.: 06.30–07.30, 12.00–14.00, 18.00–21.00. Sun.: 12.00–14.30, 18.30–20.30.
Santa Isabel 7160 kc/s 41.90 m 5 kW. – N. in Sp.: W. 13.15–13.30. – P.: W. 18.00–18.30 (N. 18.10). – F.: W. 18.45–19.15 (N. 18.55). – E.: W. 19.30–20.00 (N. 19.40). – INT.-SIG.: Opening: "Los Voluntarios". Close down: Spanish National Hymn. – ANN.: "Aqui emisora de Radiodifusión de Santa Isabel de Fernando Poo" – VER. by letter.

RADIO ECUATORIAL
ADDR.: Radio Ecuatorial, Bata. – L. P.: Dir. Enrique Lopéz Saéz
HOME SERVICE:
Bata 8800 kc/s 34.09 m 0.4 kW 12.30–13.45, 20.15–22.00.
ANN.: "Aqui Radio Ecuatorial, Bata ,La Voz de Espana en Guinea". – VER. by letter.



A F R I C A

←
CENTRAL AFRICAN BROADCASTING STATION, LUSAKA:
Announcer Donald Lightfoot interviews Police Inspector Phiri on his return from Britain.

ADEN PROTECTORATE:
Listening to the Aden Broadcasting Service.

RADIO OMDURMAN:
The Sudanese singer Eisha El Fallatra giving a performance with part of the Radio Omdurman Orchestra.
↓

↑ **RADIO CONGO BELGE:**
The first Congoloan announcer Miss Pauline Lisanga announces a programme for Africans.

Central African Broadcasting Station Lusaka Donald Lightfoot Sudan Radio Omdurman Radio Congo Belge Pauline Lisanga Aden Broadcasting Service Eisha El Fallatra Phiri

★ IVORY COAST (French West Africa) ★

Local Time: GMT. – Language: French, Vernaculars.

RADIO ABIDJAN (Govt.).
ADDR.: Service de l'Information, B.P. 1571, Abidjan. – L.P.: "Chef du Service de l'Information" and Radio Abidjan: Robert Barras. Dir. Tec. Telecommunications: M. Metayer.
HOME SERVICE in F., E. and Vernaculars.
1495 kc/s 200 m 1 kW W.: 06.30–07.45, 12.15–14.00, 17.45
4955 – 60.54 – 10 – (Sat. 16.00)–22.30. Sun. 07.15–22.30.
E.: Mo., Wed., Fri.: 17.45–18.00. – Mossi: Mo., Wed., Fri. 18.00–18.10. – Djoula: Mo., Wed., Fri. 18.15–19.00. – Tues., Thurs., Sat.: Ebriée 17.45–18.00. Bétée 18.00–18.15. Baoulée 18.15–19.00.
E. all other prgr's. Mailbag: Wed. 19.15. – "Journal Parlé": 19.45–20.10.
ANN.: "Ici Abidjan, station de radiodiffusion de la Cote d'Ivoire émettant sur...". – INT.-SIG.: First 10 bars of the Allobroges. – VER. by QSL-card. I.R.C. should be enclosed.

★ KENYA ★

Local Time: 3 h ahead of GMT. – Languages: English, Hindustani:

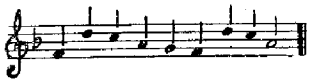
KENYA BROADCASTING SERVICE
Conducted by Cable and Wireless Ltd. under license from Government. The Department of Information is responsible for all broadcasts to Africans. (East African Broadcasting Service).

CABLE AND WIRELESS BROADCASTING SERVICE (Priv.).
ADDR.: Cable and Wireless Ltd. P.O.Box 777, Nairobi. Cable: Empiregram. – L. P.: Man.: K.G.Rogerson. Dir. Progr.: Richard Coltart. Chief Eng.: W.H.I.Stephens.
HOME SERVICE: VQ7LO
Hindustani:
863 kc/s 439.2 m 3.5 kW: 10.00–11.00, 15.45–18.30.
3315 – 90.50 – 3 – : 15.45–18.30.
6060 – 49.50 – 3 – : 10.00–11.00.
English:
683 kc/s 347.6 m 5 kW: 03.30–05.00, 10.00–11.00, 15.00–20.00.
4885 – 61.41 – 5 – : 03.30–05.00, 15.00–20.00.
7240 – 41.44 – 5 – : 10.00–11.00.
N. BBC rel.: 04.30, 16.00, 18.00. Local N., Weatherrep.: 16.10, 18.15.
ANN.: "This is the Cable and Wireless Broadcasting Station, Nairobi, calling you on wavelengths of...". VER. by letter. Postage desirable.

AFRICAN BROADCASTING SERVICE (Govt.)
ADDR.: P. O. Box 1525, Nairobi, Kenya. Cable: Knowledge. – L.P.: Dir. of Information: J. H. Reiss. Dir. of Broadc.: A. M. Dean.
HOME SERVICE in Swahili and E.:

		kc/s	m	kW
Nairobi	ZHW3	620	483.9	0.5
Mombasa	ZHW5	791	379.2	0.5[1])
Kisumu	ZHW7	1268	236.6	0.5
Mombasa	ZHW4	4923	60.92	5 [1])
Nairobi	ZHW2	4934	60.80	7.5
Kisumu	ZHW6	4943	60.70	0.5
Nyeri	ZHW24	6170	48.62	0.2[2])
Mombasa	ZHW22	7172	41.82	5 [1])
Kisumu	ZHW23	7288	41.16	0.5

[1]) Sauti Ya Mvita. [2])Mount Kenya station.
W. 03.30–04.30, 15.00 (Sat. 14.00)–18.10. Sun. 06.00–10.30, 14.00–18.15 on 620, 4934 kc/s. In Swahili.
N. and Weatherrep. in Swahili: D. 15.45. Sun. 09.00, 15.45. – Prgr. Prev. in Swahili: D. 04.05. Sun. 06.15.
ANN.: E.: "This is the African Broadcasting Service, Nairobi, Kenya." Swahili: "Hil ni African Broadcasting Service, Nairobi, Kenya." – INT.-SIG.: Afr'can Mbira (Traditional manually operated music box)-



VER. by letter. – PUBLICATION: Habari Za Radio (monthly).
Radio Mombasa: Addr.: Box 2200, Sauti Ya Mvita (Mombasa). – L.P.: Head: The Provincial Information Officer. Tec. Officer: E. Everson. Arabic Section: M. Bawazir. Swahili Section: A. Aziz. – On 791, 7172, 4923 kc/s: Swahili: W. 15.30–16.15, 17.05–18.00. – N.: 16.00. Arabic: W. 16.15–17.05 N. 16.30, 17.00 (BBC) – INT.-SIG: Drums. – VER. by letter.
Radio Nyeri: In Kikuyu: W. 04.00–05.00, 09.00–11 00, 13 15–17.00.

FORCES BROADCASTING SERVICE No. 2 (Military)
ADDR.: British Forces Post Office 10, P.O. Box 4040, Nairobi.
Stations: 1420 kc/s 211 m – 5034 kc/s 59.59 m – 6112 kc/s 49.08 m.
HOME SERVICE: English, Swahili. W.: 03.00–05.00, 09.30–20.00. Sun. 04.00–20.00. – ANN.: "You are tuned to the Forces Broadcasting Station East Africa.".

★ LIBERIA ★

Local Time: 3/4 h. behind GMT. – Languages: English, French, Arabic, Native dialects.

RADIO STATION ELWA (Religious – Cultural).
ADDR.: Box 192, Monrovia. Cable: "Evangel, Liberia".
L. P.: Station Man.: Rev. R. G. de la Haye. Dir. Tec.: Herschel Ries. Prgr. Dir.: Dick Reed.
HOME AND FOREIGN SERVICE:
710 kc/s 422 m 1 kW. 11800 kc/s 25.42 m 10 kWd. 4835 kc/s 62.05 m 10 kW d.
710 kc/s: W. 06.45–08.45, 18.45–21.45. Sun. 07.45–11.15, 16.45–23.15 in E. and local dialects (Bassa, Kpelle etc.).
4835 kc/s: W.: 06.45–08.45, 19.45–21.15. Sun. 07.45–11.15, 19.45–23.15 in E., F. for W. Africa.
E.: N. Sat. 19.45 (Liberian news). F.: D. 20.45–21.15 (N. 21.00). – Liberian dialects: Sun. 07.45–08.00 and 10.45–11.15.
11800 kc/s: D. 16.30–18.30 in E., F., W. African dialects (Hausa, Yoruba) and Arabic.
F.: Mo. 18.00–18.30. – Arabic: Tues. 18.15–18.30. – W. African dialects (Hausa, Yoruba etc.): D. 16.45–17.00).
ANN.: E.: "This is Radio Station ELWA, broadcasting from Monrovia, Liberia". F.: "Ici radio évangile, ELWA, Monrovia, Liberia. – VER. by QSL-card. Postage appreciated.

LIBERIAN BROADCASTING COMPANY (Comm.)
ADDR.: Liberian Broadcasting Company, Monrovia.
L. P.: Pres.: Dr. John B. West.
HOME SERVICE:
ELBC 900 kc/s 333.3 m 15 kW – ELBI 6022 kc/s 49.79 m 1 kW. In E.: and Arabic 15.45–23.45.
ANN.: "This is the Liberian Broadcasting Company".

★ LIBYA ★

Local Time: 1 h ahead of GMT (Su. 2 h). – Languages: Arabic, English.

RADIO TRIPOLI (Govt.).
ADDR.: Radio Tripoli, c/o Tripolitania, Liaison Officer, Tripoli.
STATION: 1052 kc/s 285 m 2 kW. D. 18.30–21.00 in Arabic.
ANN.: "Here is Tripoli" (in Arabic).
VER. by QSL-card and letter.

FORCES BROADCASTING STATION No. 1.
ADDR.: No. 1 Forces Broadcasting Station, British Forces Post Office, 57, Tripoli. – STATION: 1484 kc/s 202 m.
D. PRGR.: in English: 05.30–07.30, 11.30–22.00 (During summer 1 hour earlier).
ANN.: "This is the Forces Broadcasting Station Tripoli".

FORCES BROADCASTING STATION No. 5.
ADDR.: British Forces P.O. 55, Benghazi.
D. PRGR. in English 04.00–06.00, 10.30–14.00, 14.15–21.00.

ARMED FORCES RADIO TELEVISION SCE. (USA Air Force).
Wheelus Field 1585 kc/s 1 kW.

★ MADAGASCAR ★

Local Time: 3 h ahead of GMT. – Languages: French, Malgache.

RADIO TANANARIVE (Govt.).
ADDR.: Place Colbert Tananarive. – L. P.: Dir. du Service de l'Information: M.Vignam. Dir. Prgr.: Robert Guillon. Chief-Eng.: G. Grisvard.
HOME SERVICES:
French Network:
W.: 03.30–05.30, 09.00–11.00, 15.00–19.30. Sun.: 04.00–07.45, 08.30–11.00, 14.15–19.30.
1502 kc/s 199.73 m 0.2 kW 6172 kc/s 48.60 m 1 kW
3232 – 92.82 – 5 – 9515 – 31.53 – 1 kW
N.: 04.00(W), 05.00(Sun., dictation), 09.15, 16.00, 18.00.
Malgache Network:
W.: 03.30–05.00, 08.20–10.30, 14.00–17.00. Sun. :04.00–05.45, 08.30–11.00, 14.00–17.00.
3386 kc/s 88.60 m 1 kW – 7155 kc/s 41.92 m 1 kW.
N.: 04.05 (W), 09.15, 15.30, 17.30.
ANN.: French: "Ici Radio Tananarive" – at opening followed by: "Voici notre emission de la journée diffusée sur les longueurs d'ondes suivantes....". – INT.-SIG.: Malgache Music. – VER. by QSL-card.

★ MAURITIUS ★

Local Time: 4 h. ahead of GMT. Language: French.

MAURITIUS BROADCASTING SERVICE (Govt.)
ADDR.: Forest-Side.
L.P.: Mgr.: C. de Chazal. Eng. in Charge: N. Rambert. Dir. Music: Max Moutia.

HOME SERVICE
1364 kc/s 220 m 5 kW – 15062 kc/s 19.92 m 1.5 kW.
W. 03.00–04.15, 08.00–09.30 in F., E. on 1364, 15062 kc/s. 13.00–14.30 in Hindustani. 14.30–17.30 in F. on 1364 kc/s. – Tues., Thurs. 09.30–10.15 in Akka, Cantonese on 1364 kc/s. – Wed.: 09.30–10.00 in Swahili on 1364 kc/s. – Sun.: 03.00–09.30 in F. on 1364, 15062 kc/s. – (08.30–09.15 in Akka ,Cantonese on 1364 kc/s).
N.: F.: D. 03.30, 08.30, 15.00 – Sun. 07.20 (Overseas News Letter) – E.: W. 04.00 – **Hindustani**: D. 13.30 – **School Broadcasts (E. F.)**: 07.45–08.00 (Mo. to Fri.) on 1364 kc/s. Mo. Wed., Fri. on 15062 kc/s – **Time-Sig.**: D. 16.00 – **Weatherrep.**: D. 15.10 – **Prgr. Preview (E. & F.)**: Sun. 06.00.
ANN.: E.: "This is the Mauritius Broadcasting Service." **French**: "Ici le M.B.S. poste de radiodiffusion de l'Ile Maurice." **On short wave Sun.**: "Maurice apelle Les Chagos, Rodrigues, Agalega, S. Brandon."
F.PL.: New transmitting st. 1 mile distant from studios will start operation in the course of 1957.

★ MOROCCO (French) ★

Local Time: GMT. – **Language**: French.

RADIO MAROC (Govt. – Radiodiffusion Nationale Marocaine).
ADDR.: 1, Rue Coli, Rabat. Cable: "Radio-Maroc".
L. P.: Dir. M. Kacem Zhiri. Dir. Tec.: M. Francois Goure. Dir. Adm.: M. Robert Grolleau. Chief Arabic Dept. and N. Dept.: Mohammed Benneradi. Asst. Chief N Dept.: Abdellatif Gharbi. Asst. Dir. French Prgr.: Pascal Copeau. Chief N. Dept. French: Pierre Parent. Ass. Chief N .Dept. French: Mamoun El Fassi.
HOME SERVICE:
NETWORK A: French.
W.: 06.45–09.00, 12.00–14.30, 18.00–23.00. Sat.: 06.45–09.00, 12.00–24.00. Sun. 07.30–23.00.

	kc/s	m	kW		kc/s	m	kW
Sebaa-Aioun	611	491	140	Casablanca	1187	253	1
Rabat	1295	232	0.25	Oujda	1187	253	0.25

Short Wave: Sebaa-Aioun 6006 kc/s, 49.95 m, 1 kW. **FM**: Casablanca 90 mc/s, 0.25 kW. – Rabat 92.1 mc/s 0.25 kW.
N.: 07.00, 08.00, 13.00, 14.25, 18.30, 20.00, 22.55.
NETWORK B: Arabic and Berber:
Arabic: W.: 06.45–08.30, 12.00–15.00, 17.00–23.00. Sun.: 07.30–11.00, 12.15–15.15, 17.30–23.00. **Berber**: D. 17.00(Sun. 17.30)–19.00.

	kc/s	m	kW		kc/s	m	kW
Sebaa-Aioun	701	428	140	Casablanca	818	367	1
Rabat	917	327	0.25	Oujda	818	367	0.25

Short Wave: Sebaa-Aioun 5968 kc/s 50.27 m 1 kW. – **FM**: 87.9 mc/s 0.25 kW.
N.: 07.00, 08.00, 13.15, 14.30, 18.00, 19.00, 20.30, 22.30.
NETWORK C: English, Spanish, French, Berber.
Rabat 1043 kc/s 288 m 20 kW. – Short Wave 7214 kc/s 41.59 m 1 kW. Sebaa Aioun 1016 kc/s 295 m 1 kW.
English: D. 18.00–19.00. (exc. Sat., Sun.). **Spanish**: D. 12.00–12.30, 19.00–20.00, **Berbere**: D. 06.45–08.00. **French**: 15.30–18.30 Sat. only.
FOREIGN SCE in Arabic:
Tanger 15205 kc/s 19.73 m 50 kW: 12.30–14.30 to M.E.
ANN.: **English**: "Here Rabat, National Morrocan Broadcasting." – The same in the other languages. At opening and closing: "Hymne Chérifien".
VER. by QSL-card. – **F. PL.**: Network C 1016 kc/s increased to 15 kW in 1957. – New Casablanca F.M. rel. network B on 96 mc/s at the beginning of 1957.

US ARMED FORCES RADIO SERVICE STATIONS
Port Lyauteau WNAA 1484 kc/s 202 m 1 kW (Navy) 07.00–24.00 (Fri. 07.00–Sun. 24.00 without break).
Nouasseur WIND 1594 kc/s 188.2 m o .l. kW (Air Force) "The News Broadcasting System" 24 hours daily.
Sidi-Slimane WCOX 1594 kc/s 188.2 m 0.1 kW (Air Force) – **Ben Guerir WLEM** 1594 kc/s o.1 kW. (Air Force). – **Rabat KFAD** 1594 kc/s 0.1 kW. (Air Force).

★ MOROCCO (Spanish) ★

Local Time: 1 h ahead of GMT. – **Language**: Spanish, Arabic.

RADIO DERSA (Comm.).
ADDR.: Empresa "Torres Quevedo" S.A., Cardinal Cisneros 15, Tetuán. – **L. P.**: Dir. Adm.: Antonio de Molina. Dir. Tec.: Manuel Picardo.
HOME SERVICE: in Spanish and Arabic:

EHT–3	827	362.8	20	13.00–15.00 Arabic, 18.00–24.00 Spanish
EHT–2	917	327.2	5	12.00–18.00 Spanish, 19.00–22.00 Arabic
EHT–1	6067	49.45	1	12.00–24.00 Spanish

ANN.: Sp.: "Aqui Radio Dersa Tetuán". Arabic: "Huna Radio Dersa-Tetuán. – **VER.** by QSL-card.

These are your

Lourenco Marques Radio

Wavebands for happy listening

[1]) 03.50—19.00 11741 kc/s (25.55 m)
[2]) 03.50—18.00 15064 kc/s (19.92 m)
[3]) 03.50—15.00 7243 kc/s (41.42 m)
[4]) 03.50—21.00 4917 kc/s (61.01 m)
[5]) 15.10—21.00 3222 kc/s (92.9 m)
[6]) 15.30—21.00 917 kc/s (327 m)

Transmitters 1, 3 and 4 open at 04.50 hours on Sundays.
Transmitters 4, 5 and 6 close down at 22 hours on Saturdays.
All Times GMT. — NOTE: Subject to seasonal changes.

LOURENÇO MARQUES *For Happy Listening*

For full information see page 84

Morocco Lourenco Marques Radio

★ MOZAMBIQUE (Portuguese East Africa) ★

Local Time: 2 h ahead of GMT. – Languages: English, Portuguese.

RADIO CLUBE DE MOÇAMBIQUE (Comm.).

ADDR.: P.O.Box 594, Lourenco Marques. Cable: Radioclube.
L. P.: Pres.: Capt. Antonio dos Santos Figueiredo. Vice Pres.: Henrique da Silva Rodrigues. Techn. Dir.: Augusto das Neves Gonçalves. Mgr.: Captain João Pinheiro. Sub.-Mgr.: Arthur Meirim. Chief Technician: Virgilio Rodrigues. Chief Portuguese Prgr.: C. A. Teixeira. Chief English Prgr.: David Davies.

PORTUGUESE NETWORK: 05.00–06.00, 09.30–11.30, 15.45–20.15.

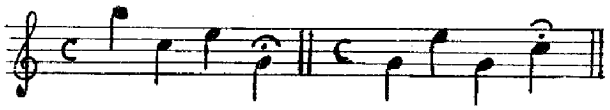
Call	kc/s	m	kW	Period
CR7BO	737	407	10	All the year round
CR7BM	3440	87.21	7.5	All the year round
CR7BV	4829	62.11	10	All the year round
CR7BE	17790	16.86	100	Sept./Apr.
CR7BG	15285	19.63	10	Sept./Apr.

N.: 05.15, 10.30, 17.00 and 20.00 – ANN.: On the hour. – 4 notes on gong followed by: "Aqui, Radio Mocambique, fala-vos o Radio Clube em Lourenco Marques, transmitindo...". – VER. by QSL-card.

ENGLISH NETWORK:

Calll.	kc/s	m	kW	
CR7BK	917	327	100	D. 15.30–21.00 (Sat. 22.00).
CR7BM	3222	93.11	7.5	D. 15.10–21.00 (Sat. 22.00).
CR7BU	4917	61.01	7.5	D. 03.50 (Sun. 04.50)–21.00 (Sat. 22.00).
CR7AA	7243	41.42	7.5	D. 03.50 (Sun. 04.50)–15.00.
CR7BF	11741	25.55	7.5	D. 03.50 (Sun. 04.50)–19.00.
	15064	19.92	7.5	D. 03.50–18.00.

ANN.: Every quarter and half hour – 4 notes on gong followed by "Lourenco Marques for Happy Listening in the ... metre bands".
INT. SIG.: For Home- and Foreign Services: Gong. – VER. by QSL-card.



BRANCH STATIONS. In Portuguese.
Nampula: 1228 kc/s 244 m 0.25 kW } 10.00–11.30
Niassa: 3521 – 85.23 – 0.6 – } 16.30–19.00

EMISSORA DO AERO CLUBE DA BEIRA (Priv.-Comm.).

ADDR.: Caixa Postal No. 3, Beira.
L.P.: Pres.: Eng. Jorge Pereira Jardim. Liborio. L.L.Rodrigues. Dir. Tec.: Humberto Ramos R. Ataide.

HOME SERVICE:

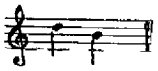
kc/s	m	kW	
3255	92.15	0.3	09.30–11.30 (Sun. 07.00–12.00), 16.00–20.00.
5045	59.46	0.3	16.00–20.00
7225	41.52	0.35	09.30–11.30 (Sun. 07.00–12.00).

N.: 10.00, 17.45. – Nat. Music: 10.15, 16.30. – Weatherrep.: 18.00. – Time-Sig.: 10.00, 18.00. – Prgr. Preview: 09.30, 16.30, 19.50.
ANN.: "Radio Mocambique – Falas – vos a Emissora da Aero Clube da Beira transmitindo em ondas curtas nas bandas dos 42 e 90 (de dia) 60 e 90 (a noite)".
INT.-SIG.: Two chimes: do (natural) – e Lá bemol.
VER. by QSL-card. – F.PL.: Two new stations 5 kW approx. March 1957.

RADIO PAX (Religious – Owned by Franciscan's Fathers).

ADDR.: Caixa Postal 594, Beira. – L.P.: Dir.: Dr. E. Costa. Dir. Tec.: Eng. C. Roca. Dir. Prgr.: Dr. Adriano J. da Costa. Chief of Production: Dr. Antonio Barbosa.

HOME SERVICE in Portuguese:
CR7RA 3952 kc/s 75.91 m 0.375 kW D. 16.30–19.00
CR7RB 7205 – 41.64 – 0.05 – Sun. 05.45–07.00
N.: 18.15–18.30. – National Music: 18.00–18.15. – Time-Sig.: 18.00.
ANN.: "Aqui Beira fala – vos Radio Pax, Emissora Catolica de Mocambique". – INT.-SIG.:



VER. by QSL-card. – F.PL.: Increase of power to 1 kW.

★ NIGERIA ★

Local Time: 1 h ahead of GMT. – Languages: English, Vernaculars.

NIGERIAN BROADCASTING SERVICE (Govt.).

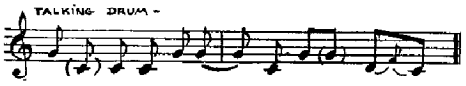
ADDR.: Broadcasting House, Ikoyi Road, Lagos. Cable: "Broadcasts".
L.P.: Dir.: J. C. Knitt. Dir. Prgr.: Elwyn Evans. N.-Editor: Norman England. Dir. Adm.: Godfrey Allen. Chief Eng.: J. W. Murray.

NATIONAL PRGR. (from Lagos): Basic languages: E. Hausa, Ibo, Yoruba.
1358 kc/s 220.9 m 5 kW } W.: 05.00–08.00, 09.30–22.00 (Sat.
4800 – 62.50 – 20 – } 2300). Sun. 06.00–22.00.
N. in. E.: 12.30, 18.15, 21.00. – N. from BBC: 06.00, 07.00, 11.00, 13.00, 16.00, 18.00. – Nat. Music (ann. in. E.) W. 19.00–19.30. – Weatherrep.: W. 17.55. – N. in Hausa, Ibo, Yoruba: Tues.-Sat. 12.40, 17.00.

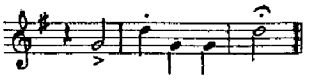
NORTH REG. PRGR. (from Kaduna): Basic languages. English, Hausa.
3326 kc/s 90.20 m 7.5 (night) 05.00–07.00, 18.15–22.00.
6175 – 48.58 – 7.5 (day) 14.15 (Sun. 12.55)–18.00.
N. in E. & Hausa: W. 14.15, 19.00. – N. in Fulani, Kamuri, Ibo, Yoruba: W. 15.30.

WEST REG. PRGR. (from Ibadan): Basic languages: English & Yoruba.
3995 kc/s 75.04 m 1 kW } 05.00 (Sun. 06.00)–08.00, 09.30–22.00
4990 – 60.12 – 0.3 – } (Sat. 23.00).
N. in E. Yoruba, Edo, Urhoho: W. 14.00, 19.00.

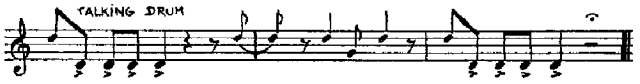
EAST REG. PRGR. (from Enugu): Basic languages English & Ibo.,
3965 kc/s 75.67 m 2.5 kW (night)05.00–08.00, 16.15–22.00. (Sat. 23.00).
6100 – 49.18 – 2.5 – (day) 13.00–16.00.
N. in E & Ibo: W. 14.00, 19.00.
ANN.: Lagos: "This is the National Programme of the Nigerian Broadcasting Service". Kaduna: "This is the North Regional Programme of the Nigerian Broadcasting Service". Enugo: "This is the East Regional Programme of the Nigerian Broadcasting Service". Ibadan: "This is the West Regional Programme of the Nigerian Broadcasting Service".
INT.-SIG.: National Prgr. (Talking Drum):



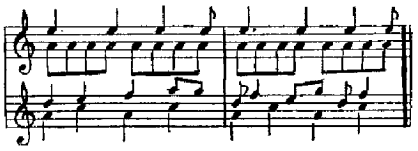
N. Reg.: Trumpet-Type Instrument.



W. Reg.: Talking Drum.



E. Reg.: Shakers Drum – xylophone bass.



VER. by letter. Reports only of value if within West Africa.
PUBLICATION: Nigerian Radio Times.

★ NORTHERN RHODESIA ★

Local Time: 2 h. ahead of GMT. Languages: English, Vernaculars.

CENTRAL AFRICAN BROADCASTING STATION (Govt.)

The Central African Broadcasting Station broadcasts to African Listeners of the Federation of Rhodesia andNyasaland.
ADDR.: P.O. Box 209, Lusaka. Cables: "Broadcasts". – L.P.: Chief Information Officer: C. N. Lawrence. Broadc. Officer C. Sapseid. Broadc. Eng.: J. M. Reeves. AMIEE, MIRE.

HOME SERVICE: Lusaka ZQP.
3914 kc/s 76.60 m 2.5 kW 10.00 (Sun. 09.00)–19.00 Wi.
4826 – 62.16 – 15 – 15.30–17.30 All year round.
7220 – 41.55 – 2.5 – 10.00 (Sun. 09.00)–19.00 All year round

AFRICAN PRGR. in E. & Vernaculars:
W. 10.00–19.00 (Thurs. 18.00). Sun. 11.00–18.00 on 7220 kc/s (Wi. also 3914 kc/s).
In E.: W. exc. Thurs. 18.00–19.00, Sun. 11.00–18.00: N. 18.00 (BBC), 18.10. – Mailbag: Sun. 13.35. – Weatherrep.: 18.15 (Oct.-June). – "English Words and Phrases" (lesson): 18.25 (5 times a week). – Prgr. Preview: Sun. 16.15. – Time Sig.: 18.00 (BBC), 19.00.

In Vernaculars: W. 10.00–18.00 on 7220 kc/s (Wi also 3914 kc/s). D. 15.30–17.30 on 4826 kc/s: N.: 11.15, 14.30, 16.30. – Time Sig.: 10.00, 12.00, 16.00.
EUROPEAN PRGR. in E.: Thurs. 18.00–19.00, Sun. 09.00–11.00 & 18.00–19.00 on 7220 kc/s (Wi also 3914 kc/s). – N.: 18.00 (BBC), 18.10.
ANN.: E.: "This is the Central African Broadcasting Station in Lusaka broadcasting to Africans in the Rhodesias and Nyasaland."– Chinyanja: "Kuno ndi ku Central African Broadcasting Station mu Lusaka. Moni kwa inu nonse mu Rhodesia and Nyasalandi."
INT.-SIG.: Barotse drums and xylophone. – VER.: Listeners reports from the Federation required.

★ REUNION ★

Local Time: 4 h. ahead of GMT. – Language: French.
RADIO REUNION (Govt.)
ADDR.: Radiodiffusion Française, Saint-Denis.
L.P.: Chef des Services de la Radiodiffusion Française à la Réunion: M. Billaud.
STATIONS: St. Denis

624 kc/s	480.0 m	1 kW	times as below.	
3380 –	88.76 –	1.5 –	02.30–04.00, 14.00–18.30.	
4820 –	62.24 –	1.5 –	08.00–09.30 (Sun. 04.00–10.30).	
7170 –	41.84 –	0.2 –	times as below.	

HOME SERVICES:
W. 02.30–04.00, 08.00–09.30. Sun. 04.00–10.30. Daily 14.00–18.30.
N.: 02.30(W), 03.30(W), 04.15(Sun.), 08.30, 14.07(W), 16.30. – Weatherrep.: 03.30(W), 16.30.
ANN.: "Ici la Réunion, Radiodiffusion Française." – VER. by letter.

★ SOUTHERN RHODESIA ★

Local Time: 2 h ahead of GMT. – Language: English.
FEDERAL BROADCASTING SERVICE (Govt.)
ADDR.: P.O. Box 8008, Causeway, Broadcasting House, Salisbury. – Cable: Broadcasts.
L. P.: Controller European Sce.: John Parry. Ass. Controller: Helen Kelly. Prgr. Producer: Tom Pile. Studio Mgr., Bulawayo: John Hooper.
HOME SERVICE: W.: 05.30–06.30, 09.00–12.00, 15.00–20.00. Sun.: 08.00–12.00, 16.00–20.00.

	kc/s	m	kW		kc/s	m	kw
Salisbury	584	514	2	Gwelo	1043	288	2
	3396	88.35	7.5	Gatooma	791	379	2
	6018	49.84	7.5	Umtali	980	306	2
	9505	31.56	3	Que Que	746	402	2
Bulawayo	611	491	2				

Weather Rep.: Winter 17.55. Summer 11.15, 16.00, 17.55. Time-Sig.: D. 06.00, 11.00, 18.00 (B.B.C.). – N.: 06.00 (B.B.C.), 09.10, 10.00, 11.00 (B.B.C.), 17.15 (Newsreel), 18.00 (B.B.C.), 18.15 (S.A.P.A.).
ANN.: "Salisbury Calling". – "This is the Federal Broadcasting Service". – INT.-SIG.: Bells (St. Margaret's Chimes), Harp Glissandos. – VER. by letter.

★ SAO TOMÉ (Portuguese) ★

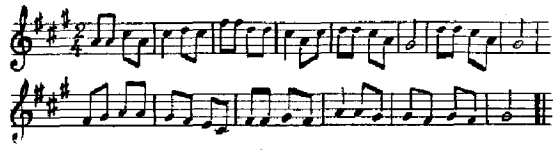
Local Time: 1 h. behindGMT. – Language: Portuguese.
RADIO CLUBE DE SAO TOME E PRINCIPE (Comm.)
ADDR.: Avenidas da Armada, Sao Tomé. Cable: Radioclube.
HOME SERVICE:
CR5SC 4807 kc/s 62.40 m 1 kW 19.00–21.00
CR5SB 17677 – 16.97 – 1 – 12.00–13.00 (Sun., Thurs.)
ANN.: "Aqui Sao Tomé, Radio Clube de Sao Tomé e Principe, a trabalhar na banda dos... metros." – INT.-SIG.: Re-Do-Mi. – VER. by QSL-card.

★ SEYCHELLES (British) ★

Local Time: 4 h ahead GMT. – Languages: English, French.
THE SEYCHELLES BROADCASTING SERVICE (Govt.).
ADDR.: Education Department, Victoria Rd., Mahé, Seychelles.
L. P.: Director of Education: G.I. Michael.
HOME SERVICE: D. 15.15–16.15. ZCQ3 4990 kc/s 60.12 m 0.04 kW.

★ SENEGAL (French West Africa) ★

Local Time: GMT. – Languages: French, Vernaculars.
RADIODIFFUSION FEDERALE DE L'AOF (Govt.).
ADDR.: 58, Avenue de la République, Dakar. – L. P.: Dir. Fédéral: M. Jean Arnaud, Asst. Dir.: M. J. A. Edel.
HOME SERVICES:
DAKAR FEDERAL: W.: 06.30–08.15, 12.00–13.45, 18.00–22.00
1538 kc/s 195.1 m 4 kW 11895 kc/s 25.22 m 25 kW d.
D. PRGR. in F. and dialects of the Federation:
N.: F.: 06.35, 07.30, 08.00 (11895 only), 13.00, 20.00, 22.23.
N.: Sénégal-Dialects: 18.00–18.45 on 11895 only. – E., P.: 22.15–22.23. – Mailbag: Sun. 08.15–09.00, Tues. 20.30–21.30. – Time-Sig.: 06.35, 06.45, 07.00, 07.15, 07.30, 07.45, 08.00, 13.00, 13.30, 20.00, 20.30, 22.15, 22.23, 23.30.
DAKAR REGIONAL: 18.00–19.30 in Vernaculars:
1430 kc/s 210 m 10 kW – 6045 kc/s 49.63 m 1 kWd. – 4893 kc/s 61.32 m 4 kW d.
D. PRGR. in F. and dialects of F. W. Africa:
W.: 07.00–08.30, 12.30–14.00, 17.30–23.00. Sun. 07.00–23.00. – N. in F.: 07.30, 13.00, 20,00. – Religious: Sun. 09.00–11.00 (Catholic & Protestant Service). – N. in dialects of F.W.Af.: 17.30–18.30.
FOREIGN SERVICE
On 1538, 11895 kc/s: 22.15–22.25. – E. to Gambia, Gold Coast, Liberia, Sierra Leone: Mo., Wed., Fri. – P. to Portuguese Guinea: Tues., Thurs., Sat.
ANN.: F.: "Ici Dakar, Radiodiffusion Fédérale de l'Afrique Occidentale Française. Programme chaine Fédéral.... ou Radio Dakar émettant sur...". – E.: "Here is Dakar, Federal Network, Station of West African Broadcasting Corporation". – P.: "Aqui Dakar, Fédéral Radiodifusion de l'Africa Occidental Francese".
INT.-SIG.: Federal: Infanterie de Marine. Regional: Sidi Brahim.



VER. by QSL-card. Return postage required.
RADIO STATION ST. LOUIS
1348 kc/s 1 kW.: 06.30–07.00, 12.00–13.45, 18.00–22.00. – Relay of N. from Dakar Federal. Prgrs in F. and Vernaculars.

★ SIERRA LEONE ★

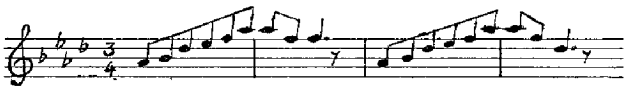
Local Time: GMT. – Languages: English, Mende & Temne.
SIERRA LEONE BROADCASTING SERVICE (Govt.)
ADDR.: Public Relations Office, 26A, Westmoreland Street, Freetown.
L.P.: Dir. Tec.: Postmaster-General. Dir. of Prgr. and Public Relations Officer: J. B. Garrett.
HOME SERVICE: 3316 kc/s 90.46 m 5 kW.
W.: 06.45–08.00, 12.00–14.00, 16.00–22.45 (Sat. 12.00–22.45). Sun.: 06.45–08.00, 10.30–14.00, 16.00–22.45.
Prgrs. consist of relays of BBC – GOS or West African Services.
Local N.: 21.00.
ANN.: "This is Freetown Calling" or "You are tuned to Freetown in Sierra Leone Broadcasting Service."

★ SOMALILAND (British) ★

Local Time: 3 h. ahead of GMT. – **Language:** Somali.
RADIO SOMALI (Govt.).
ADDR.: Information Officer, P.O. Box 14, Hargeisa. **Cable:** Informat. – **L. P.:** Inf. Officer: J. M. Webber. Asst. Inf. Officer: A. A. Farah. Prgr. Asst.: M. H. I. Galaal.
HOME SERVICE: 7126 kc/s 42.12 m 1 kW: 13.30–18.00. – **N.:** 14 5. – **Religious:** Fri. 13.32–14.50 in Somali and Arabic. – **Mailbag:** Wed 13.45–14.00.
ANN.: "Halkun waa Hargaisa, Radio Somali". – **INT.-SIG.:** March. – **VER** by letter. Return postage appreciated, but not necessary. – **F. PL.:** New Broadcasting Station now complete and will begin operation by Sept. 57. A new 5 kW transmitter has been ordered and will be brought into use next year.

★ SOMALILAND (French) ★

Local Time: 3 h. ahead of GMT. – **Languages:** French, Somali, Dankali, Arabic.
RADIO DJIBOUTI
ADDR.: Boite Postale 418, Djibouti. – **L. P.:** Dir. P. Sausseau.
HOME SERVICE on 4780 kc/s 62.76 m 1 kW:
F.: 09.00–10.15. **Somali:** 15.15–16.00. **Dankali:** 16.00–16.30. **Arabic:** 16.30–17.00. **F.:** 17.00–19.15.
National Music: 09.40, 15.15, 15.45, 16.15, 16.45, 18.00. – **N.:** 09.15, 15.30, 16.00, 16.30, 17.25. – **Mailbag:** Sun. 09.40, 15.45, 16.15, 16.45. – **Weatherrep.:** and **Time Sig.** 09.00, 15.15, 17.00.
ANN.: "Radiodiffusion de la France d'Outre Mer. – "Ici Radio Djibouti. – La Voix de la France". – **INT.-SIG.:** Extrait d'une melodie Somalie.



F. PL.: s.w. 4 kW; m.w. 1 kW 1957. –

★ SOMALILAND (Italian) ★

Local Time: 3 h. ahead of GMT. – **Languages:** Somali, Italian.
RADIO MOGADISCIO (Govt.)
ADDR.: Comando Base della Marina in Somalia, Direzione Sviluppo Economico Telecomunicazioni, Mogadiscio.
HOME SERVICE in Somali and Italian:
4978 kc/s 60.27 m 4 kW – 7072 kc/s 42.42 m 0.3 kW.
Somali: 09.30–10.00, 18.00–19.00 on 7072, 13.30–15.00, 16.00–17.00 on 4978/7072 kc/s. – **Italian:** 10.00–10.45 on 7072; 17.00–18.00 on 4978/7072 kc/s.
ANN.: "Transmette Mogadiscio."

★ SUDAN ★

Local Time: 2 h. ahead of GMT. – **Language:** Arabic, English.
SUDAN BROADCASTING SERVICE (Govt.)
ADDR.: P. O. Box 522, Khartoum. **Cable:** "Irshad". – **L.P.:** Dir. Gén.: M. A. Khangi. Dir. Tec.: Ibrahim Ghobrial.
HOME SERVICE in Arabic and English from Omdurman:
572 kc/s 524.0 m 50 kW – 6200 kc/s 48.39 m 0.35 kW
5000 – 60.00 – 6 – –
Arabic: D.: 04.15–05.30, 15.30–19.30. **Additional:** Fri.: 07.30–09.30, Sun.: 08.00–09.00. N.: 04.30, 16.40, 19.10. **English:** D. 16.00–16.30. N.: 16.00.
ANN.: Arabic: "Huna Omdurman." **E.:** "This is the Sudan Broadcasting Service." – **VER.** by letter. Reports are welcomed.

★ TANGANYIKA ★

Local Time: 3 h. ahead of GMT. – **Languages:** English, Kiswahili.
TANGANYIKA BROADCASTING CORP. (Govt.).
ADDR.: Box 1649, Dar-Es-Salaam. **Cable:** "Sauti". – **L. P.:** Chairman: J. F. R. Hill,CMG. Broadc. Officer: D. Swannie, M. B. E. Chief-Eng.: A. D. Belle. Prgr. Officers: A. P. Forbes, Miss J. Nicholl, C. Hamilton.
HOME SERVICE in Kiswahili and English: 15.00–19.30.
1250 kc/s 240.0 m 1.25 kW day and night
5050 – 59.41 – 20 – night
7167 – 41.86 – 7.5 – day.
Kiswahili: 15.00–18.00 on 1250, 5050 kc/s. – **N.:** 15.00.
Weatherrep.: 15.10, 17.10, 18.00. – **English:** 18.00–19.30 on 1250, 5050 kc/s.
ANN.: Kiswahili: "Hii ni Sauti ya Tanganyika". **E.:** "This is the Tanganyika Broadcasting Corporation". – **INT.-SIG.:** Marimba. – **VER.** by QSL-card. Reports are appreciated.

★ TANGIER ★

Local Time: GMT. – **Languages:** French, Spanish, Arabic.

RADIO AFRICA (Comm.).
ADDR.: 9, rue de Russie, Tangier. – **Cable:** "Rafrica". – **L. P.:** Deputy Adm.: J. de Bournet. Dir. Gen.: L. Lartigau. Dir. Prgr.: G. Marquet. Dir. Press and Information: J. Sol. Dir. Adm.: P. Joubert .Dir. Tec.: A. Kolher. Secr. Prgr.: J. Lalanne. Arabic Dept.: M. Tazi. Publicity Dept.: G. Beaudry.
HOME SERVICE: 935 kc/s 321,1 m 100 kW.
W.: 07.00–09.00, 11.45–15.30, 17.30–23.30, Sun. 07.30–15.30. 17.30–23.30.
In E., F. and Sp.: 07.00–07.30, 07.45–09.00, 11.45–15.30, 19.00–21.45. **In Arabic:** 07.30–07.45, 17.30–19.00, 21.45–23.30. – **Religious:** Sun.: 07.30–07.45, 12.15–12.30, 19.00–19.15, 21.15–21.30. – **N., Commentary:** Short N. each half hour. – **Complete Bulletins:** 07.00, 08.00, 13.00, 20.00. – **Weatherrep.:** 08.10, 13.10, 20.10. – **Women Prgr.:** D. 15.30. – **Lyric:** Wed. 19.20. – **Music-Hall:** Sat. 21.00. – **Request Prgr.:** Sun. 10.00–11.15. – **Sports:** D. 20.11.
ANN.: F.: "Ici Radio Africa". – **E.:** "This is Radio-Africa". – **Sp.:** "Aqui Radio-Africa". – **INT.SIG:.** Bell. – **VER.** by QSL-card. –

RADIO-AFRICA-MAGHREB (Comm.)
ADDR.: 9, rue de Russie, Tangier. – **Cable:** "Rafrica". – **L. P.:** Deputy. Adm.: J. de Bournet. Gen. Secr.: C. Dubreuilh. Comm. Mgr.: P. Benoit. Chief Eng.: J. Widter. Artistic Service: Miss J. Tellez. Plays: A. Donper. French Dept.: D. Larrañaga. Arabic Dept.: Md. Adjenui. Listeners Service: Miss Maria del Carmen Duce.
HOME SERVICE: 593 kc/s 506 m 20 kW.
W.: 07.00–09.00, 11.00–13.30, 19.00–20.30.
E., Fr., Sp.: 07.00–09.00, 12.00–13.30, 19.00–20.30. – **Arabic:** 11.00–12.00.
ANN.: F.: "Ici Radio-Africa-Maghreb". – **Sp.:** "Aqui Radio Africa Maghreb". – **E.:** "This is Radio Africa Tangier". – **IMT.SIG:.** Bell. – **VER.** by QSL-card.

RADIO-AFRICA-TANGER (Comm.)
ADDR.: 9, rue de Russie, Tangier. – **Cable:** "Rafrica."
L. P.: Deputy Adm.: J. de Bournet. Gen. Secr.: E. Dahan. Comm. Mgr.: A. S. Roman. Chief Eng.: J. L. Marquet. Artistic Sce.: S. Collet. Plays: T. Gomez. French Dept.: C. Izard. Arabic Dept.: M. Lamrani. Spanish Dept.: Miss L. Sillero. Italian Dept.: C. Marcellini. –
HOME SERVICE: 593 kc/s 506 m 1.25 kW: W.: 13.30–19.00, 20.30–24.00. – **I.:** 13.30–14.00, 20.30–21.00. – **Sp.:** 14.00–17.00, 21.00–24.00. – **E.:** ("Radio-Africa-Gibraltar"): 17.00–19.00.
Religious: Sun. 22.00. Fri. 11.00. – **N. and Commentary:** D. 13.30, 20.30. – **Weatherrep.:** 13.59, 21.59. – **Mailbag:** Thurs.: 13.45.
ANN.: E.: "This is Radio Africa Tangier". – **F.:** "Ici Radio Africa Tanger". – **I.:** "Qui Radio Africa Tangeri". – **Sp.:** "Aqui Radio Africa Tanger". – **INT.-SIG.:** Bell. – **VER.** by QSL-card.

RADIO-EURAFRICA (Comm.)
ADDR.: 9, rue de Russie, Tangier. – **Cable:** "Rafrica". – **L. P.:** Deputy Adm.: J. de Bournet. Dir. Gen.: L. Lartigau. Dir. Prgr.: G. Marquet. Dir. Press and Information: J. Sol. Dir. Adm.: P. Joubert. Dir. Tec.: A. Kolher. Secr. Prgr.: J. Lalanne. Arabic Dept. M. Tazi. Publicity Dept.: G. Beaudry.
SHORT WAVE SERVICE FOR EUROPE: "RADIO-EURAFRACI"
Stations: 5, 10 and 20 kW transmitters operating in the 31, 25 and 19 m.b. and 7126 kc/s. – **D. Prgr.:** 12.00–15.00, 16.30–23.00. – Prgr. and concerts in Da., E., Fi., F., G., No., Sp., and Sw. – **ANN.:** "This is Radio Eurafrica, Tangier". – **VER.** by QSL-card. Return postage required.

PAN AMERICAN RADIO, TANGIER (Comm.).
ADDR.: 16. rue Delacroix, Tangier. – **Cable:** Panamericana.
L.P.: Pres. and Dir.: J. Suriñach Oller. Vice-Pres. and Dir.: C. E. Walbaum.

HOME SERVICE
PAN AMERICAN RADIO in Sp. only:

(P.A.R.)	1	1128 kc/s	266	m	5 kW**	08.00–01.00*
	2	7290 –	41.15 –		3 –	08.00–01.00*
	2	14500 –	20 –		3 –	Under construction.
	3	575 –	522 –		5 –	Not in use.

** Is planned to be increased to 50 kW. * The whole year.
N.: 13.30 (R. Nac. de España), 14.00 (BBC), 21.30 (R. Nac. de España). – **Time Sig.:** Every hour. – **Weatherrep.:** 13.45, 21.30.

PAN AMERICAN RADIO INTERCONTINENTAL
1594 kc/s 188.0 m **D.:** 10.30–16.30, 18.30–24.00.
10.30–12.00 **Arabic.** – 12.00–15.00 **French** (Weatherrep. 12.30). – 15.00–16.30 **Italian** (Weatherrep. 15.00). – 18.30–18.45 **Hindu.** – 18.45–20.00 **English** (N. 19.45). – 20.00–22.30 **French** (N. 20.00; Weatherrep. 20.45). – 22.30–24.00 **Arabic.**

ANN.: Sp.: "Aqui Pan American Radio, Tanger. – **F.:** "Ici Pan American Radio Intercontinental, Tanger. – **E.:** "This is Pan American Radio Intercontinental, Tangier". – **INT.-SIG.:** "Bim Bam Bum". – **VER.** by QSL-card.

R. TANGER INTERNATIONALE R. TANGER (Comm.)
ADDR.: 33 Goya Street, Tangier, Morocco. – **Cable:** "Radiointer". **L.P.:** Pres.: Antonio Garrigues y Diaz Cañabete. Secr. Gen.: Virgilio Sanchez. Gen. Mgr.: Herbert R. Southworth. Adm.: A. Cuetos-Martinez. Chief Eng.: Jesus Martin Cordova.

STATIONS: R. Tanger.

1079 kc/s	278.0 m	10 kW	7175 kc/s	41.81 m	2.5 kW
1232 –	243.5 –	50 – *)	15425 –	19.45 –	10 –
6025 –	49.79 –	10 –			*) d. 120 kW for N. Africa.

D.PRGR.: E.: 18.00–18.30 on 1079 kc/s. – **N.:** 18.20.
Religious: Sat. 16.30–17.30, Sun. 11.00–12.00, 16.00–17.30, Thurs. 16.30–17.00.

F.: 07.00–09.00 (Sun. 08.00–10.00), 11.45–15.00, 20.00–22.00 on 1232 kc/s (50 kW). – **N.:** 07.30, 08.00, 12.00, 13.00, 20.00, 21.55. – **Sp.:** 10.00–16.00, 18.30–24.00, on 1079 kc/s. – **N.:** 14.00, 21.10, 23.50. – **Religious:** Wed. 16.30–17.00, Sat. 10.45–11.00, 11.45–12.00. – **Arabic:** 06.45–09.00 on 1079 kc/s, 17.30–20.00, 22.00–24.00 on 1232 kc/s (50 kW). – **N.:** 07.30, 08.30, 18.30, 19.55, 22.30, 23.15.

ANN.: "This is Radio Tangier". **F.:** "Ici Radio Tanger". **Sp.:** "Aqui Radio Tanger." – **VER.** by QSL-card or letter.

THE VOICE OF TANGIER (Missionary)
under the direction of International Evangelism, Inc., Greensboro N.C., USA, is a missionary radio station, dedicated exclusively to the broadcasting of the Gospel of our Lord and Saviour Jesus Christ and is maintained by free-will contributions.

ADDR.: Station WTAN, British P.O. Box 219, Tangier, Morocco. **L.P.:** Pres. Rev.: Paul Freed. Field Dir. Rev.: Ralph Freed. Dir. Prgr.: D. Harvey.

STATIONS: WTAN:

7230 kc/s	41.49 m	10	kW	Morning; Afternoon.
9444 –	31.76 –	2.5/10	–	Morning; Evening.
9485 –	31.63 –	2.5/10	–	

D.PRGR.:
To S.W. Europe & N.W. Africa on 7230 kc/s: Sp.: Tues., Thurs. 07.00–07.15; Sun. 13.00–14.00; W. exc. Thurs., Fri.: 13.00–13.30; Thurs., Fri.: 13.00–13.15. – **P.:** Sun. 10.00–10.45, 14.00–14.15; Mo., Tues., Wed. 13.30–13.45.

To N.W. Europe on 9485 kc/s: E.: Sun.: 08.15–09.00, 09.15–10.00, 20.30–22.30; Mo.: 09.00–10.00, 20.45–23.00; Tues.: 09.30–10.00, 21.00–23.00; Wed.: 09.00–10.00, 21.00–23.00; Thurs.: 09.30–10.00, 20.30–23.00; Fri.: 09.30–10.00, 20.30–23.15; Sat.: 09.00–10.00, 21.00–22.45.

To C. Europe on 9485 kc/s: F.: Mo., Wed. 20.00–20.15; Sat. 20.15–20.30. – **G.:** Tues., Thurs., Sat. 20.00–20.15. – **Polish:** Wed., Fri. 20.15–20.30. – **Messianic:** Sun. 20.15–20.30. – **Yiddish:** Mo. 20.15–20.30. –

To E. Europe on 9485 kc/s: E.: Sun., Mo. 17.00–17.30. – **G.:** Mo' 17.30–17.45. – **Czech:** Tues. 17.00–17.15. – **Bulgarian:** Thurs. 17.15–17.30. – **Esthonian:** Tues. 17.30–17.45. – **Hungarian:** Wed. 17.45–18.00. – **Norwegian:** Mo. 17.45–18.00. – **Lithuanian:** Tues. 17.45–18.00. – **Rumanian:** Thurs. 17.30–17.45. – **Polish:** Tues. 17.15–17.30. – **R.:** Wed. 17.30–17.45. – **Slovakian:** Wed. 17.00–17.30. – **Ukrainian:** Thurs. 17.45–18.00. – **Yugoslavian:** Thurs. 17.00–17.15.

To M. East & N. Africa on 9444 kc/s: Music: D. 18.30–18.45, 19.15–19.30. – **E.:** Fri. 18.00–18.30. – **E. and Hebrew:** D. 18.45–19.15. – **Albanian:** Fri. 17.15–17.30. – **Armenian:** Fri. 17.45–18.00. – **Greek:** 17.30–17.45. – **I.:** Fri. 17.00–17.15.

ANN.: E.: "This is the Evangelical Voice of Tangier." **F.:** "Ici La Voix Evangélique de Tanger." **Sp.:** "Esta es La Voz Evangelica en Tanger." – **INT.-SIG.:** Religious Music. – **VER.** by QSL-card.

VOICE OF AMERICA RADIO STATION IN TANGIER
ADDR.: Voice of America, Washington 25, D.C., U.S.A.
STATIONS: Short Wave: Tangier 35/50/100 kW twenty-four hours daily. – **D.PRGR.:** 10.00–08.00.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6000	50.00	11760	25.51	15385	19.50	17840	16.82
7115	42.16	11785	25.46	15410	19.47	17855	16.80
7235	41.47	11875	25.26	15440	19.43	21455	13.98
9505	31.56	11895	25.22	17710	16.94	21500	13.95
9615	31.20	11940	25.13	17720	16.93	21610	13.88
9635	31.14	15130	19.83	17750	16.90	21690	13.83
9685	30.98	15295	19.61	17760	16.89	25670	11.69
9740	30.80	15340	19.56	17830	16.83	25880	11.60
9760	30.74	15345	19.55				

DAILY PRGR.: Short Wave. See U.S.A.
ANN.: "This is the Voice of America Radio Station in Tangier." – **VER.:** By QSL-card.

★ TOGO (French) ★

Local Time: GMT. – **Languages:** French, Mina, Ewe.

RADIO LOME (Govt.)
ADDR.: Service de la Radiodiffusion du Togo Français Lomé. **Cable:** Radiolome. – **L.P.:** Dir.: Amah.

HOME SERVICE: Le Oaid 1394 kc/s 215 m 1 kW – 5036 kc/s 59.57 m 1 kW d: 12.00–12.15, 18.30–20.30. **In French: N.:** W. 20.00–20.15. – **Mailbag:** Thurs. 18.50–19.00. – **Weatherrep.:** W. 20.15.

★ TUNESIA (French) ★

RADIO TUNIS (Govt.)
ADDR.: Head Office, 2, rue d'Algier, Tunis. Studios: 3 Place de l'Ecole Israélite, Tunis.

HOME SERVICE:
Tunis 629 kc 76.9 m 20 kW – Tunis II 962 kc 312 m 20/120 kW
Tunis I – French: 06.00–07.15, 11.00–13.00, 17.30–22.00.
N.: 07.00–07.15, 11.00–11.20, 12.55–13.00, 19.00–19.20, 21.45–22.00.
Tunis II – Arabic: 05.15–06.30, 11.30–13.30, 18.00–22.00.
N.: 06.00–06.15, 12.30–12.45, 18.02–18.10, 19.00–19.25, 21.35–21.50.

ANN.: "Ici Radio Tunis" in French and Arabic. – **INT.-SIG.:** Gong. Tunis I closes with "La Marseillaise" and Tunis II with "Hymne beylical." – **VER.** by letter. Return postage requested.

★ UGANDA ★

Local Time: 3 h. ahead of GMT. – **Languages:** English, Vernaculars.

UGANDA BROADCASTING SERVICE (Govt.).
ADDR.: Information Department, P.O. Box 142, Kampala. – **Cable:** Knowledge.
L.P.: Dir. Information: A. G. Ridley, M.V.O. Dir. Prgr.: John Kenyon. Chief Eng.: Alan Stephenson.

HOME SERVICE in Vernaculars and E.: 14.00 (Sat., Sun. 12.00)–19.00

971 kc/s	309.0 m	0.5 kW	d	
5026 –	59.70 –	7.5 –	–	
7110 –	42.19 –	7.5 –	–	alternative

IN E.: N.: 17.00, 18.00 (BBC). – **Weatherrep.:** D. 17.09. – **Time-Sig.:** 13.00, 18.00. – **Prgr. Preview.:** 17.00. – **In Luganda: N.:** 16.00. – **Prgr. Preview:** 14.30. – **In Lunyoro: N.:** 14.20.

ANN.: E.: "This is the Uganda Broadcasting Service." – **Luganda:** "Eno ye Uganda Broadcasting Service." – **INT.-SIG.:** "Kwebembera Omukama." – The Ntimbo Royal Drummers of the Omukama of Bunyoro. – **VER.** by letter. – **F.PL.:** 2 FM stations.

★ UNION OF SOUTH AFRICA ★

Local Time: 2 h. ahead of GMT. – **Languages:** English, Afrikaans.

SOUTH AFRICAN BROADCASTING CORPORATION
ADDR.: P.O. Box 8606, Johannesburg. **Cables:** Broadcast.
L.P.: Chairman of the Board of Governors: Dr. S. H. Pellissier. Dir. Gen.: Gideon Roos. Deputy Dir.-Gen.: N. L. Filmer. Secretary: J. P. A. van der Walt. Chief Accountant: R. C. Strike. Dir. Tec.: H. O. Collett. Head of Afrikaans Prgr.: M. M. van Lille. Head of English Prgr.: Miss G. N. Dickson. Head of Commercial Service: P. S. Louw. Head of News: A. M. van Schoor.

STATIONS:
Short Waves: The three services: English, Afrikaans and Commercial are broadcast in two bands. Chosen from the following: 25, 31, 41, 60 and 90 metres.

English		Afrikaans		Comm.	
3315 kc/s	90.50 m	3376 kc/s	88.80 m	3356 kc/s	89.39 m
4800 –	62.50 –	4895 –	61.29 –	4945 –	60.67 –
7229 –	41.52 –	7275 –	41.24 –	7295 –	41.12 –
9680 –	30.99 –	9523 –	31.50 –		
11900 –	25.21 –	11840 –	25.34 –		

Medium Waves:	English		Afrikaans		Comm.	
Johannesburg:						
West Rand	638	470	719	417	575	522
East Rand	1034	290	827	363	1286	233
Pretoria:	1439	208	1097	273	1268	236
Pietersburg:	1115	269	863	348	989	303
B'oemfontein	674	445	593	506	782	384
Kimberley:	1070	280	1241	242	962	312
Grahamstown:	620	484	701	428	809	371
Port Elizabeth:	1313	228	1043	288	1178	255
East London:	1025	293	1151	261	908	330
Cape Town:	656	457	557	538	728	412
Durban:	566	530	692	433	800	375
Pietermaritzburg	764	392	665	451	845	355

ENGLISH and AFRIKAANS SERVICES:
W.: 04.40–21.15. Sun.: 05.55–21.15. – N.: 05.00(W), 06.00, 11.15, 16.00, 17.00 (W), 19.00, 21.00.
COMMERCIAL SERVICE – Springbok Radio:
W. 04.00–22.00. Sun. 05.00–21.00.
INT.-SIG.: Commercial Service: GGEGA.
INTERNATIONAL SERVICE: Initially the prgr. will be broadcast from 14.00–18.00 in two bands chosen from the following: 11, 13, 16, 19, 25, 31 metres.
VER. by QSL-card for all services. **Publication:** "SABC Radio Bulletin."

★ ZANZIBAR ★

Local Time: 3 h. ahead of GMT. – **Language:** Arabic, English, Swahili, Gujarati.
RADIO ZANZIBAR – VOICE OF ZANZIBAR (Govt.)
ADDR.: Information Office, P.O. Box 222, Zanzibar. **Cable:** Information.
L.P.: Senior Commissioner: R. H. W. Pakenham. Information Officer: Sk. Yahya Alawi El-Yofil.
HOME SERVICE:
3339 kc/s 89.90 m – 4795 kc/s 62.54 m 0.25 kW: 13.30–15.00.
Arabic: Recital of the Holy Qur'an: 13.32–13.43. – **National Music:** (in Arabic & Swahili): 14.30–15.00. – **Swahili: N.:** D. 13.45–14.00. – **Weatherrep.:** Sat. 13.55–14.00. – **Mailbag:** Fri. 14.15–14.30.
All programmes are also for East African dependencies including Comoro Islands.
ANN.: E.: "This is the Voice of Zanzibar." **Swahili:** "Hiini Sauti ya Unguja." **Arabic:** "Hadha Saut Zinjibar."
INT.-SIG.: Transmissions open with the anthem of His Highness the Sultan of Zanzibar. – **VER.** by letter. Return postage not necessary. – **Publications:** Weekly newsletter in Swahili called MAARIFAX. Monthly newsletter in E.

NEAR EAST

★ ADEN ★

Local Time: 3 h. ahead of GMT. – **Languages:** Arabic, English.
ADEN BROADCASTING SERVICE (Govt.).
ADDR.: P.O. Box 1264, Aden. – **Cable:** "Broadcasts". – **L.P.:** Dir. and Public Relations Officer: N. J. V. Watt. Broadc. Officer: T. Z. Irany.
HOME SERVICE in Arabic: 15.30–17.30.
Cable & Wireless 6045 kc/s 49.63 m 3 kW: 12.30–13.30, 15.30–17.30. – R. A. F. 1236 kc/s 242.7 m 0.3 kW.
N.: 16.00–16.10, Wed. 16.25 (Colony News), 17.20–17.30. **Local N.:** Wed. 16.25, Thurs. 17.10.
ANN.: Arabic: "Huna Aden". E.: "Here is Aden". – **VER.** by letter. – **F.PL.:** In 1957 m.w. 5 kW, s.w. 7.5 kW.
ADEN FORCES BROADCASTING ASSOCIATION (Milit.)
ADDR.: R.A.F. Station, Khormaksar. **STATION:** 1025 kc/s 293 m 0.3 kW. **D. PRGR.** in E.: 06.00–07.00, 16.45–20.00.

★ AFGHANISTAN ★

Local Time: $4^1/^2$ h. ahead of GMT. – **Language:** Pushto.
AFGHAN BROADCASTING SYSTEM (Govt.).
ADDR.: Telecommunications Division, Ministry of Communications, Kabul. – **Cable:** Aftel. – **L.P.:** Dir. Gen.: A. A. Durani.
HOME SERVICE:
660 kc/s 454.5 m 20 kW: 02.30–03.30, 13.30–17.30. **N.:** 02.45, 15.30.
ANN.: National language Pushto: "Da Kabul dai". – **INT.-SIG.:** A record on national flute. – **VER.** by letter. Reports are welcome.

★ BAHRAIN ★

Local Time: 4 h ahead of GMT. – **Language:** Arabic.
BAHRAIN BROADCASTING STATION (Govt.)
ADDR.: Public Relations Dept., Broadcasting Station, Bab al-Bahrain, Manama, Bahrain. – **L. P.:** Bahrain Government Public Relations Officer: James H. D. Belgrave. Dir. of Broadc.: Ibrahim Ali Kanoo. Radio Operator: Abdul R. Abdulla.
HOME SCE.: in Arabic: 610 kc/s 491.8 m 2.5 kW:
D. 16.00–18.00. Fri. also 04.30–06.00.
N.: D. 17.00 – **Press Review:** Fri. 16.15 – **Request Prgr.:** Sun., Tues. 16.15–16.45, Fri. 04.51. – **National Music:** 17.40–17.58. – **Woman's Section:** Wed. 16.15. – **Time Sig.-:** 17.00 – **Weatherrep.:** 17.15. – **Prgr. Preview:** D. 16.00.
ANN.: Arabic: "Huna Bahrain". – **VER.** by letter.

★ CYPRUS ★

Local Time: 2 h. ahead of GMT. – **Language:** English, Greek, Turkish.
CYPRUS BROADCASTING SERVICE (Govt.).
ADDR.: P.O.B. 824, Nicosia. – **Cable:** "Broadcasts" Nicosia.
L.P.: Asst. Dir.: Hedley Chambers. News Editor: John Appleby.
HOME SERVICE: Basic Greek Programme:
Nicosia 692 kc/s 434 m 10 kW
Paphos 922 – 325 – 2 –
Limassol 1484 – 202 – 0.25 –
} W.: 04.30–06.00, 10.30–12.30, 14.30–21.10. Sun. 05.00–12.30, 14.30–21.10.
Basic Turkish Programme: Nicosia 606 kc/s 495 m 10 kW: 04.30–06.00, 10.30–12.30 (Sun. 05.00–12.30), 14.30–21.10.
N. in Greek: 05.15*, 12.00, 17.30, 20.30. – **N. in Turkish:** 05.30*, 12.00, 17.30, 20.30. – **N. in English:** 05.45*, 11.30*, 17.00 (on 606 kc/s), 21.00*.
*) on both programmes.
ANN.: Blue ch.: "Edho Kypriaki Radiofoniki Ypiresia". Red ch.: "Burasi Kibris Radyo Servisi". – **INT.-SIG.:** Celeste. – **VER.** by letter.
FORCES BROADCASTING SERVICE (Br. War Dept.).
ADDR.: No. 4 Forces Broadcasting Service, Nicosia.
L.P.: Station Commander: P. Buckle. **ST.:** 1093 kc/s 274 m 1 kW.
D. PRGR.: E.: W.: 04.00–09.15, 09.45–21.00. Sun. 05.00–21.00.
ANN.: "This is the Forces Broadcasting Station, Cyprus". – **INT.-SIG.:** Musical Box. – **VER.** by QSL-card/letter. No return postage required.

SHARQ AL ADNA (Near East Arab Broadcasting Station) Comm.
ADDR.: Head Office: P.O. Box 219, Limassol. Branch Offices: London, 17 Victoria Street – Beirut, Phoenicia Road – Damascus, Firdous Street – Amman, Salt Road – Cairo, 37 Maspero Street – Baghdad, Badawi Street.
L.P.: Man. Dir.: R. Poston. Deputy Dir.: G. R. John. Dir. of Prgr.: Mohammad Ghussein. Public Relations Officer: S. A. Sheriff. Advertisement Mgr.: C. J. Morny.
HOME SERVICE in Arabic to all Arabic speaking countries of the Near and Middle East:
Medium wave 100 kW. – Short wave 7.5/20 kW.
638 kc/s 470.2 m – 6170 kc/s 48.62 m – 9650 kc/s 31.09 m
6120 – 49.02 – – 6790 – 44.18 – – 11720 – 25.60 –
Wi.: 03.45–06.45, 09.00–21.00 (Fri., Sun.: 03.45–21.00). – Su.: (not firm): 03.25–06.30, 09.00–22.00 (Fri., Sun. 03.25–22.00).
ANN.: "Mahattat a Sharq al Adna Lil'iza 'al Arabiya".
INT. SIG.: Arabic music and stringed instrument. – **VER.** by letter of reports from Near East countries only. No return postage required. – **F.PL.:** Hope to have two more 20 kW transmitters in service early in 1957.

★ IRAN ★

Loca Time: $3^1/_2$ h. ahead of GMT. – **Languages:** Persian, Arabic, Urdu.
DEPARTMENT OF PUBLICATION AND BROADCASTING (Govt.)
ADDR.: Radio Tehran, Ark Ave., Tehran. – **L. P.:** Deputy Prime Minister and Pres. of Publications and Broadcasting Dept.: Nasser Zulfaghari. Dir. Gen.: Nossratollah Moinian. Chief of External Service: Amir Moez. Chief Radio Section: Taghi Rowhani. Chief Studios: Eng. Attefi.
HOME SERVICE: 02.30–17.30 (895, 3960 kc/s only), 18.30–20.30.
EQA 895 kc/s 335 m 2 kW EQC 9680 kc/s 30.99 m 20 kW
EQO 3960 – 75.76 – 20 – EPB 15100 – 19.87 – 32 –
Tabriz: EQR2 6092 kc/s 49.24 m 7.5 kW d.: 02.25–04.30, 07.30–11.00, 13.30–18.00.
Shiraz: EPP2 6435 kc/s 46.58 m 0.4 kW.: 12.30–15.00.
Isfahan: 1500 kc/s 200 m: 12.30–14.30.
R. Meshed: 1500 kc/s 200 m – 6800 kc/s 44.12 m: 12.30–15.00.

R. Ahwaz: EPU3 7950 kc/s 37.74 m 0.75 kW: 13.00–15.00.
R. Resht: EPR16 7940 kc/s 37.78 m 0.75 kW: 12.30–14.30.
R. Kurdestan: 1500 kc/s 200 m 0.4 kW: 11.30–13.30, 15.30–18.30. 17.30–20.30. 895, 3460 kc/s: 02.30–17.30, 18.30–20.30, 9680, 1500 kc/s.

FOREIGN SERVICE:
15100, 9680, 3960, 895 kc/s.
Arabic 12.00. Urdu 12.10. Russian 19.15. Turkish 19.30. German 19.45. (Sun., Tues., Thurs.). French 19.45 (Sat. ,Mo., Wed.). English 20.00.
ANN.: "This is Tehran Calling". F.: "Ici Radio Téheran". G.: "Hier spricht Teheran". Persian: "Inja Tehran". Tu.: "Burasi Iran Tehran Radisu". Ru.: "Govorit Tigran". Arabic: "Huna Tehran". – VER. by letter. – F. PL.: New 50 kW transmitter at the end of 1956.

★ IRAQ ★

Local Time: 3 h. ahead of GMT. – Languages: Arabic, Kurdish.
ADDR.: Baghdad Broadcasting Station, Baghdad. – L.P.: Ag. Dir. Gen. of Guidance and Broadcasting: K. Ibrahim.

HOME SERVICE
HNA 908 kc/s 330.00 m 100 kW
HNC 3297 kc/s 91.00 m 16 kW
HNG 11705 kc/s 25.63 m 100 kW
Arabic: 03.55–07.00, 09.55–12.00, 13.25–21.00 on 908/11705 kc/s (at 09.55–12.00 also 3297 kc/s). – Kurdish: 12.55–17.00 on 3297 kc/s
ANN.: "Huna Baghdad" (Here is Baghdad). – INT.-SIG.: Soft chirps of a mechanical nightingale. – VER. by QSL-card. – F.PL.: A new 100 kW s.w. transmitter will be ready during spring 1957.

★ ISRAEL ★

Local Time: 2 h ahead GMT. (Su. 3 h). – Languages: Hebrew, Arabic, Turkish.

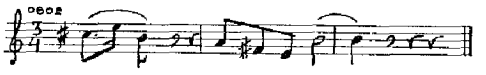
ISRAEL BROADCASTING SERVICE (Govt.).
ADDR.: Kol Israel: P.O. Box 1082, Jerusalem. Cable: "Kol Israel". L.P.: Broadcasting: Dir. Gen.: Prime Ministers Office: Teddy Kollek. Dir. of Israel Broadc. Service: Harry Zinder. Deputy Dir.: Hanoch Givton. Dir. Prgr.: Dr. Y. Spira. Dir. News: Z. M. Kenner. Arabic Prgr.: S. Bar-Haim. Engineering: Dir. Gen.: Ministry of Posts: H. Ben-Menachem. Dir. Engineering Sce., Radio, Transmissions: M. Bermain.
STATIONS:

	kc/s	m	kW	Call	Prgr.
Tel Aviv	575	521.7	50	4XB36	A
–	652	460	0.8	4XB47	B
Jerusalem	737	407.1	2.5	4XB34	B
Haifa	1025	292.7	0.5	4XB48	B
–	1205	249	0.5	4XB35	A
Tel Aviv	1277	234.9	1	4XB53	C
Haifa	1336	224.5	1	4XB42	C
Jerusalem	1390	215.8	1	4XB43	C
Tel Aviv	2442	122.9	0.5	4XB51	C
–	6190	48.47	1	4XB44	C
–	6830	43.92	2.5	4XB21	A+B
–	9009	33.3	50	4XB31	to C. Europe & Africa d.

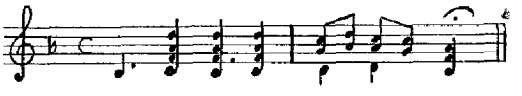
FM: Jerusalem 0.25 kW:
88.3 mc/s 4XB37 – 89.3 mc/s 4XB32 – 90.3 mc/s 4XB39
FM: Tel Aviv 0.25 kW: 93.3 mc/s 4XB39 – 94.3 mc/s 4XB52

HOME SERVICE
PROGRAMME A: KOL ISRAEL
Hebrew:
575 kc/s: D. exc. Sat.: 04.30–06.00, 10.00–12.15, 13.30–14.00 (Fri. only), 14.00–16.00, 17.00–21.00. Sat.: 05.30–06.00, 06.30–12.15, 13.15–16.00, 17.00–22.00.
1205 kc/s: 04.00–04.30 (Sun., Wed., Fri.); D. exc. Sat.: 04.30–06.00, 10.00–12.15, 13.30–14.00 (Fri. only), 14.00–16.00, 17.00–21.00. Sat.: 05.30–06.00, 06.30–12.15, 13.15–16.00, 17.00–22.00.
N.: D.: 04.35 (exc. Sat.), 05.00 (exc. Sat.), 06.30 (Sat. only), 11.30, 15.00 (exc. Fri., Sat.), 17.00, 19.00, 21.00. – Weatherrep.: After each N. – Time Sig.: 04.30 (exc. Sat.), 05.00 (exc. Sat.), 10.00 (Sun. 09.30), 11.30, 12.15, 14.00, 16.15, 17.00, 19.00, 21.00, Sat. also 05.30. – Prgr. Preview: D. 17.15.
Arabic on 575/1205/6830 kc/s:
D.: 06·00–07.00, 12.15–13.30 (Sat. 13.15), 16.00–17.00.
Turkis hon 575/1205/6830 kc/s: Sun. 09.30–10.00.
PROGRAMME B: KOL ISRAEL
N. in foreign languages on 652.1/737/1025/6830 kc/s: English: 11.45–12.00, 20.00–20.15. – French: 12.00–12.15, 19.30–20.00. – Hebrew for Immigrants: 18.00–18.15. – Hebrew Lessons: 15.45–16.00. – Music: 16.00–17.00. – Moroccan Arabic: Mo., Thurs., Sat. 18.15–18.30. – Yiddish: 17.00–17.30 (exc. 6830 kc/s). – Ladino: 17.30–18.00. – Persian: Sun., Wed. 18.15–18.30. – Turkish: 18.15–18.30 (Tues., Fri.). – Rumanian: 18.30–18.45. – Hungarian: 18.45–19.00.
PROGRAMME C: Galei Tzahal (Forces Broadcasting Service).
1277/1336.5/1390/2442/6190 kc/s: D. 16.30–20.00 (Sat. 20.30).

FOREIGN SERVICE: KOL ISRAEL: To Central Europe: 9009 kc/s: 17.30–19.15, 20.00–20.15, 21.00–21.15. – N.: Hebrew: 19.00, 21.00. English: 20.00.
Prgr. in Ladino, Hungarian, Rumanian, Turkish, Persian, Moroccan, Arabic as mentioned under Prgr. B.
ANN.: Program A and B: Hebrew: "Kol Israel". – Yiddish: "Kol Israel Laole". – Arabic: "Hunna Muhattat Israil". – English: "Kol Israel. – This is the Voice of Israel". – French: "Ici Kol Israel La Voix d'Israel". – Hungarian: "Kol Israel – It Oz Israeli Radio". – Rumanian: "Aci e Postul de Radio, Kol Israel". – Ladino: "Aqui Kol Israel – La Boz de Israel". – Turkish: "Burasi Israelin Sesi Radyo Istasyonu". – Persian: "In sedai Israil". – Moroccan Arabic: "Bellga el Mograbia if bit el roliun Hadachmi".
Program C: "Galei Tzahal" (Forces Broadcasting Service).
INT. SIG.: Program A & B: Traditional Bible cantellation played on obo strings.



OVERSEAS BROADCASTING SERVICE OF THE WORLD ZIONIST ORGANIZATION – KOL ZION LAGOLA – THE VOICE OF ZION
ADDR.: The Voice of Zion, P.O. Box 754, Jerusalem.
STATION: Tel Aviv 4XB31 9009 kc/s 33.3 m 50 kW.
English to S. Africa: 16.30–17.15. – To Central Europe: 19.15–20.00, 20.15–22.15, 23.00–23.45. English: 21.30–22.15. – French: 20.15–21.00. – Hebrew: 21.15–21.30. – Yiddish: 19.15–20.00. – Portuguese: 23.00–23.45.
ANN.: Hebrew: "Kol Zion Lagola". – English: "Kol Zion Lagola – The Voice of Zion". – French: "Ici Jerusalem – Kol Zion Lagola – La Voix d'Israel". – Yiddish: "Do is Kol Zion Lagola Fon Yerushalaim". – Portuguese: "Aqui Jerusalem, la Boce de Tzion".
Full information about times of transmission in the summer is given in the weekly programme notes, which are published 6 weeks in advance and sent out by airmail.
INT. SIG.: First phrase from the second half of the national Anthem "Hatikva".



VER. by QSL-card and letter. – F.PL.: A new 100 kW transmitter in operation 1957.

★ JORDAN ★

Local Time: 2 h. ahead of GMT. – Language: Arabic, English.

HASHEMITE JORDAN BROADCASTING SERVICE (Govt.)
ADDR.: Ramallah, Jordan. – L.P.: Controller: Thabet N. Khalidi. Asst. Controller: Abdel Qader Taowry.
HOME SERVICE: m.w.: Jerusalem; s.w.: Amman.
677 kc/s 443 m 20 kW. 6060 kc/s 49.50 m 5 kW. 7200 kc/s 41.67 m 5 kW.
Arabic on 677 kc/s: 04.40–07.00, 12.00–13.00, 16.00–21.00, (06.00–07.00, 16.00–17.00 also 6060 kc/s).
English: 11.15–12.00, 15.15–16.00 on 677 kc/s.
ANN.: E.: "This is the Hashemite Jordan Broadcasting Service calling from Jerusalem" or "This is Jerusalem calling." – Arabic: "Dar ul Ithaa al-Urduniya al Hashemiya hl Quds" or "Huna hl Quds." – VER. by QSL-card.

★ KUWAIT ★

Local Time: 3 h. ahead of GMT. – Language: Arabic.

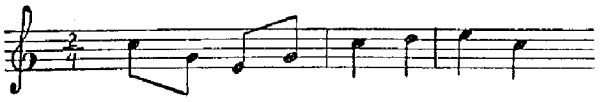
RADIO KUWAIT ADDR.: Security Department, Kuwait.
L.P.: Chief of Public Security: Dir. Shaikh Abdulla Mobarak.
HOME SERVICE: 5000 kc/s 60.00 m 1 kW.
17.00–20.00 (Summer 18.00–21.00), 05.00 07.00 (Fri.).
ANN.: "Huna Kuwait, Mahattat Kuwaitia". – VER. by letter.

★ LEBANON ★

Local Time: 2 h. ahead of GMT. – Languages: Arabic, French, English.

LEBANESE BROADCASTING STATION (Govt.)
ADDR.: Grand Serail, Beirut. Cable: "Radioliban". – L.P.: Minister of Information: Mohamed Sab Ra. Dir. Gen.: A. El-Assad. Head of Cabinet: N. Lian. Head of Press Service: F. Abi Chahla. Chief Eng.: J. Rouhayem.
HOME SERVICE:
836 kc/s 359 m 4 kW – 8036 kc/s 37.34 m 2 kW.

Arabic on 836/8036 kc/s: W. 04.30–05.30, 05.45–07.30 (Fri. 10.00), 10.00–13.30 (at 11.30–12.30 on m.w. only), 16.00–22.00 (at 19.00–20.15 on m.w. only). Sun. 05.00–05.30, 05.45–10.00, 11.00–13.30 (at 11.30–12.30 on m.w. only), 16.00–22.00 (at 19.00–20.15 m.w. only).
N.: 05.00, 11.00, 18.00, 20.15. – **Request Prgr.:** 07.45–09.00 (Fri., Sun.), 11.15–13.30 (Sun.), 19.00–20.15 (Sun.). – **Weatherrep.:** 05.00, 18.15.
French: D.: 05.30–05.45 on 836/8036 kc/s. – 11.30–12.30 and 19.00–20.15 on 8036 kc/s. (Sun. and Thurs. also 10.00–11.00 on 836/8036 kc/s).
N.: 05.30, 11.30, 19.00. – **Request Prgr.:** Sun., Thurs. 10.00, Sat. 19.15. – **Weatherrep.:** 05.45, 19.15.
English: D. 15.00–16.00 on 836/8036 kc/s. – **N.:** 15.00. – **English by Radio"** (English/Arabic): Thurs. 15.45.
ANN.: Arabic: "Hounna Beyrouth, Dar al' Iza'a al Loubnaniat." **F.:** "Ici Beyrouth, Station de Radiodiffusion de la République Libanaise." **E.:** "This is the English programme of the Lebanese Broadcasting Station in Beiruth." – **INT.-SIG.:** For medium- and short wave:



VER. by QSL-card or letter. – **F.PL.:** New station with encrease l power during 1957.

LEBANESE ARMED FORCES RADIO STATION (Military).
ADDR.: Lebanese Army Signal Corps, Beirut.
STATION: 6500 kc/s 46.15 m 0.35 kW.
HOME SERVICE (Arabic only): Tues., Sat. 14.30–15.00 relay of Armed Forces Prgr. from Lebanese Broadcasting Station.
VER. by QSL-card.

★ SAUDI ARABIA ★

Local Time: 3 h. ahead of GMT. – **Language: Arabic.**

SAUDI ARABIAN BROADCASTING (Govt.).
ADDR.: Mecca. – **STATIONS:** Djeddah 3 kW.

kc/s	m		kc/s	m	
725	413.8	local	11950	25.10	to Egypt by day
3960	75.76	local	6175	48.58	to Egypt by night
9650	31.09	to Riyadh by day	11750	25.50	to Iraq by day
3990	75.19	to Riyadh by night	6100	49.18	to Iraq by night
11850	25.32	to Syria by day	11990	25.02	in Urdu and Indonesian
5975	50.21	to Syria by night			

HOME SERVICE
Saudi Arabia has no Standard Time. Twelve hours periods commence at sunrise and sunset, i.e. with a few minutes difference every day. (Therefore "one o'clock" means one hour after sunrise, i.e. approx. 7. a.m. etc.). Arabic broadcasts from Djeddah are scheduled according to local time and therefore differ from day to day.
1st Prgr.: 03.40 – **2nd Prgr.:** 11.30 – **3rd Prgr.:** 16.25 – **4th Prgr.:** 17.55
FOREIGN SERVICE:
13.00–13.40 **Urdu** 25 m.b., to Pakistan.
14.00–14.40 **Indonesian** 25 m.b., to Indonesia.
ANN.: "Il-eza'a la azikiyah l'ilmamlakat es Saoudiyah". – **INT.-SIG.:** 8 notes played on a native flute. – **VER.** by letter.

✶ SYRIA ✶

Local Time: 2 h. ahead of GMT. – **Language:** French.

SYRIAN BROADCASTING SERVICE (Govt.).
ADDR.: Radiodiffusion Syrienne, rue de la Victoire, Damascus – **Cable:** Genrad. – **L.P.:** Dir. Gen.: Salah Barmada. Dir. Prgr.: Yehia Ghehabi. Dir. Tec.: Samih Mousli. Dir. Information: Nessib Ikhtyar. Dir. Foreign Relations: Georges Chatilan. Secr. Gen.: Kahtan el Jundi.
STATIONS:

602	kc/s	498.2	m	2	kW	9555	kc/s	31.40	m	7.5	kW
665	–	451.2	–	50	–	15165	–	19.78	–	20	–
719	–	417.2	–	2	–	17850	–	16.81	–	20	–
746	–	402	–	20	–	17865	–	16.80	–	20	–
6165	–	48.66	–	20	–	21560	–	13.91	–	20	–

HOME SERVICE:
In Arabic:
04.00–07.00 on 665, 9555 kc/s. – 07.00–07.30 on 602 kc/s.
11.30–13.00 on 665,746,6165,9555kc/s.–15.00–19.00on9555,6165kc/s.
15.00–22.00 on 746 kc/s. – 19.30–20.00 on 9555 kc/s.
In French: N., Music: 05.30–05.45, 06.00–06.30, 08.30–11.15, 11.30–12.30, 17.30–17.45, 18.00–18.30.
In English: N.: 05.45–06.00, 11.15–11.30, 17.45–18.00.
FOREIGN SERVICE:
To Eu. in F., E. on 17865 kc/s: 19.30–20.45 (F.), 20.45–21.30 (E.).
To N. Af. in Arabic on 17850, 21560 kc/s: 13.00–14.00.
To Israel in Hebrew and German on 665, 746, 9555 kc/s: 14.00–15.00.
To So. C. Am. in Arabic, Sp. on 15165, 17865 kc/s: 00.00–00.05 (Arabic, Sp.), 00.05–01.00 (Arabic), 01.00–02.00 (Sp.).
ANN.: Arabic: "Houna Dimackh". **E.:** "This is Damascus Calling". **F.:** "Ici Damas". **Sp.:** "Aqui Damasco". **Hebrew:** "Kol Damasseh". **VER.** by QSL-card and letter.

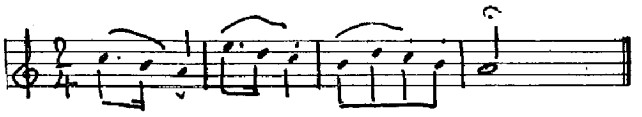
✶ TURKEY ✶

Local Time: 2 h. ahead of GMT. – **Language:** Turkish.

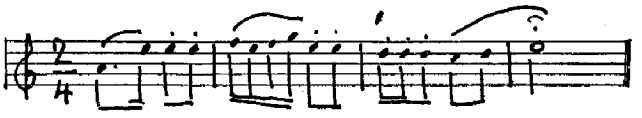
RADIO ANKARA (Govt.).
ADDR.: Office: Turkish Press, Broadcasting and Tourist Dept., Ankara. – **Studios:** Radyoevi, Ankara. – Radyoevi, Istanbul, Turkey. **Cable:** Basin-Yayin Ankara.
L.P.: Dir. Gen.: Muammer Baykan. Dir. Radio Branch: Refik Ahmet Sevengil. Technical Adviser: Muzaffer Eke. Dir. R. Ankara: Iskender Ege. Dir. R. Istanbul: Nevzat Atlig.
HOME SERVICE:

R. Ankara	TAR	182 kc/s	1648 m	120 kW
R. Istanbul	TAW	701 –	428 –	150 –

R. Ankara: 04.28–14.00, 14.58–22.00. – **Istanbul:** 10.27–22.00.
N.: On 182 kc/s: 05.45, 11.00, 17.00, 18.15, 20.45. – On 701 kc/s: 11.45, 17.45, 21.15. – **Time-Sig.** precedes N. on 182 kc/s. Each half h. on 701 kc/s. – **Weatherrep.** after each N.
ANN.: "Burasi Ankara" (This is Ankara), or "Burasi Istanbul Radyosu" (This is Radio Istanbul).
INT.-SIG.:
Ankara:



Istanbul: An old Turkish folk song "Usküdara gider iken":



FOREIGN SERVICE:

Ankara I 20 kW

*)TAN	6000	kc/s	50.00 m
*)TAM	7240	–	41.44 –
TAP	9465	–	31.70 –
*)TAK	11760	–	25.51 –
TAQ	15195	–	19.74 –
*)TAD	17720	–	16.93 –

*) inactive.

Ankara II 100 kW

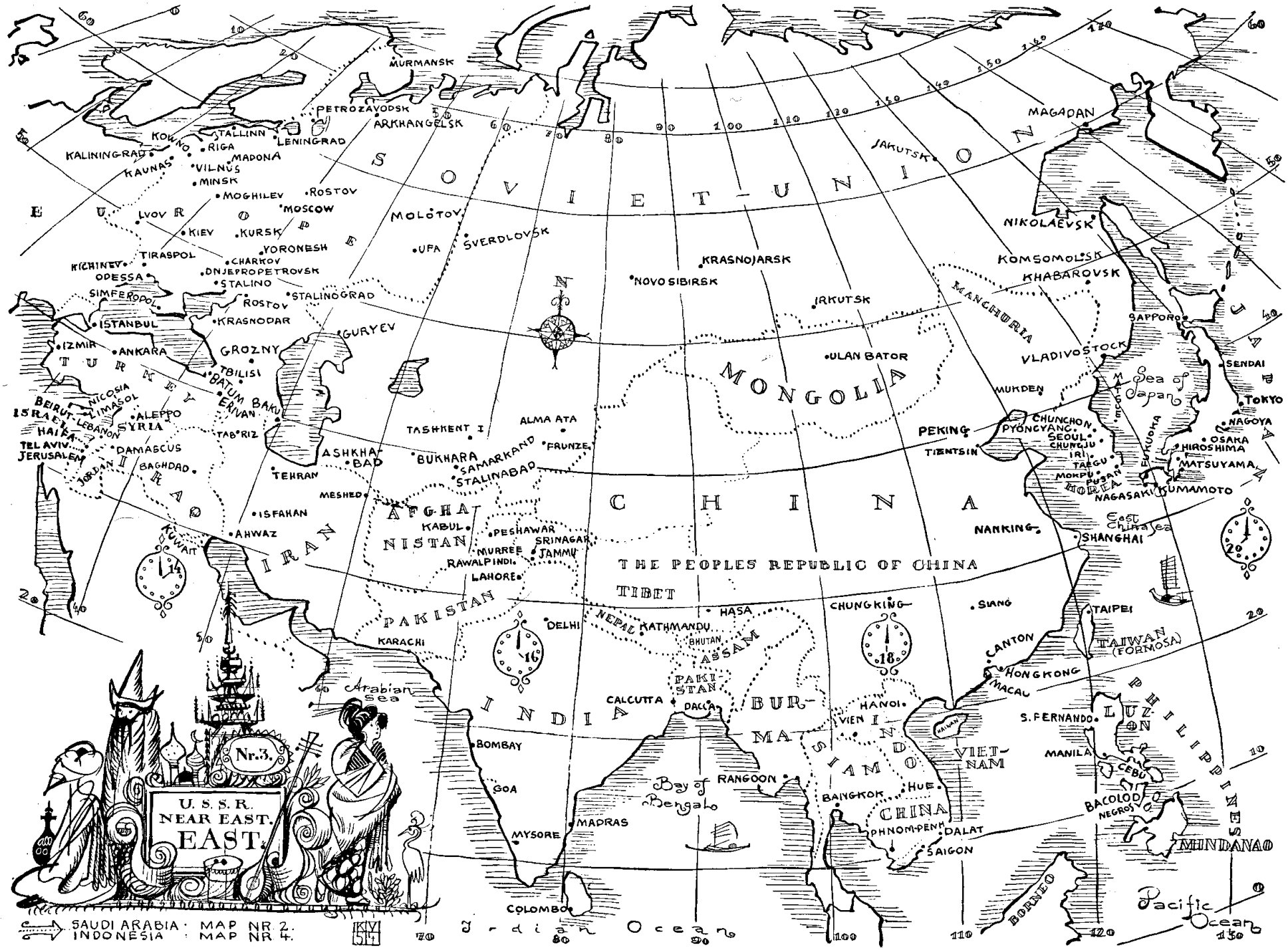
*)TAL4	7140	kc/s	42.02 m
TAS	7285	–	41.18 –
TAT	9515	–	31.53 –
*)TAO	11880	–	25.25 –
TAU	15160	–	19.79 –
*)TAL3	15220	–	19.71 –
TAV	17820	–	16.84 –
*)TAX	21660	–	13.85 –

DAILY PROGRAMMES

		Target areas	Nov./Apr. kc/s	May/Oct. kc/s
Arabic	06.00–06.30	M.E.	9465	9465
	13.00–13.30	M.E.	9465	9465
	16.30–17.00	M.E.	9465	9465
Bulgarian	18.00–18.15	Eu.	7285/9465	7285/9465
English	13.30–14.15*)	S.Ea.As.	17820	17820
	23.15–23.45*)	N.Am.	9515	9515
	21.00–21.45*)	W.Eu.	7285/9465	9465/15160
	18.15–18.30****)		7285/9465	9465
French	20.15–21.00	Eu.	7285	15160
German	19.30–20.00	Eu.	7285	15160
Greek	17.15–17.45	Eu.	7285/9465	7285/9465
Hungarian	19.00–19.15	Eu.	7285/9465	9465/15160
Italian	19.30–20.00	Eu.	9465	9465
Persian	16.00–16.30	Ir.	9465	9465
Polish	19.15–19.30	Eu.	7285/9465	9465/15160
Pushtu	15.00–15.15	Afg.	9515	17820
Rumanian	17.45–18.00	Eu.	7285/9465	7285/9465
Serbo-Croat	18.30–19.00	Eu.	7285/9465	9465/15160
Spanish	22.30–23.00	Eu./S.Am.	9515	9515
Turkish	11.00–11.30	Korea	17820	15195/17820
	11.00–12.00	H.S.	15195	15195
	17.00–17.15**)	H.S.	7285/9465	7285/9465
	20.00–20.45***)		9465	9465
Urdu	14.30–15.00	So.As.	9515	17820

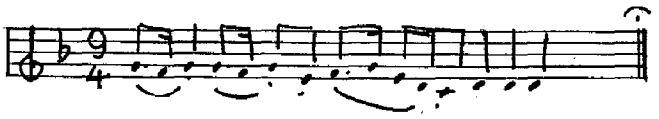
*) Mailbag every Sun. **) News. ***) Turkish Music. ****) Request Prgr.

ANN.: "Burasi Turkiye Radyo Yayin Postalari Kisa Dalga" or "Ankara Radyosu" ("This is the Turkish Broadcasting Services. Short Waves Ankara Radio").



U. S. S. R.
NEAR EAST.
EAST.
Nr.3.
SAUDI ARABIA : MAP NR. 2.
INDONESIA : MAP NR. 4.
SOVIET-UNION
EUROPE
TURKEY
IRAQ
IRAN
AFGHANISTAN
PAKISTAN
INDIA
MONGOLIA
CHINA
THE PEOPLES REPUBLIC OF CHINA
TIBET
NEPAL
BHUTAN
ASSAM
PAKISTAN
BURMA
SIAM
INDO CHINA
VIETNAM
MANCHURIA
KOREA
JAPAN
PHILIPPINES
LUZON
MINDANAO
BORNEO
Arabian Sea
Bay of Bengal
Indian Ocean
Pacific Ocean
East China Sea
Sea of Japan
MURMANSK
PETROZAVODSK
ARKHANGELSK
TALLINN
LENINGRAD
KOWNO
RIGA
KALININGRAD
KAUNAS
VILNUS
MADONA
MINSK
MOGHILEV
ROSTOV
MOSCOW
LVOV
KIEV
KURSK
YORONESH
TIRASPOL
KICHINEV
CHARKOV
ODESSA
DNJEPROPETROVSK
STALINO
SIMFEROPOL
ROSTOV
STALINOGRAD
ISTANBUL
KRASNODAR
IZMIR
ANKARA
GROZNY
GURYEV
TBILISI
BATUM
BAKU
ERIVAN
NICOSIA
LIMASOL
BEIRUT
LEBANON
ISRAEL
HAIFA
ALEPPO
SYRIA
TEL AVIV
JERUSALEM
DAMASCUS
JORDAN
BAGHDAD
TAB RIZ
TEHRAN
ASHKHABAD
MESHED
ISFAHAN
AHWAZ
KUWAIT
KARACHI
MOLOTOV
UFA
SVERDLOVSK
TASHKENT
ALMA ATA
FRUNZE
BUKHARA
SAMARKAND
STALINABAD
KABUL
PESHAWAR
SRINAGAR
MURREE
JAMMU
RAWALPINDI
LAHORE
DELHI
KATHMANDU
HASA
CALCUTTA
DACCA
BOMBAY
GOA
MYSORE
MADRAS
COLOMBO
RANGOON
BANGKOK
HUE
PHNOM-PENH
DALAT
SAIGON
HANOI
VIEN
CHUNGKING
SIANG
CANTON
HONGKONG
MACAU
TAIPEI
TAIWAN (FORMOSA)
S. FERNANDO
MANILA
CEBU
BACOLOD
NEGROS
NANKING
SHANGHAI
PEKING
TIENTSIN
MUKDEN
CHUNCHON
PYONGYANG
SEOUL
CHUNGJU
IRI
TAEGU
MOKPU
PUSAN
NAGASAKI
KUMAMOTO
FUKUOKA
OSAKA
HIROSHIMA
MATSUYAMA
NAGOYA
TOKYO
SENDAI
SAPPORO
VLADIVOSTOCK
KHABAROVSK
KOMSOMOLSK
NIKOLAEVSK
JAKUTSK
MAGADAN
IRKUTSK
ULAN BATOR
NOVOSIBIRSK
KRASNOJARSK

INT.-SIG.: Zn old Turkish dance-tune "Sari Zeybek".



VER. by QSL-card. – PUBLICATION: Weekly prgr. for Ankara and Istanbul.

RADIO IZMIR
ADDR.: Izmir. – L.P.: Dir.: U. H. Demiriz.
TAZ 6630 kc/s 47.06 m 0.4 kW: D. 14.00–21.00.

TECHNICAL UNIVERSITY OF ISTANBUL (Govt.).
ADDR.: Teknik Üniversite, Elektrik Fakültesi. Yüksek Frekans Teknigi Laboratuvari, Istanbul. – L.P.: Head of R. Laboratory: Prof. M. Santur. Assistants: T. Saya ,P. Apaydin.
HOME SERVICE: I.T.Ü.=Istanbul Teknik Üniversitesi.
6280 kc/s 1 kW 18.15–20.00 (exc. Sat.)
7050 – 0.5 – 18.15–20.00 (exc. Sat.)
Frequencies are shifted slightly if interference occur.
PRGR.: National (Turkish) and Classical music. Turkish music: Sun., Tues., Thurs. 18.15–18.45.
ANN.: Turkish: "Burasi Istanbul Teknik Üniversitesi Radyosu". E.: "Here is the Radio Station of the Technical University of Istanbul". – INT.-SIG.: "Turkish March" by Mozart. – VER. by letter. Return postage required.

TECHNICAL SCHOOL OF ISTANBUL
ADDR.: The Technical School, Radio Laboratory, Yildiz, Istanbul.
STATION: TAO5 7143 kc/s 42.00 m 0.1 kW: Sun. 08.00–09.00. D.: 16.00–17.00. Western and Turkish recordings.

ISTANBUL UNIVERSITY RADIO
ADDR.: Istanbul Ten Fakültesi Radyosu, Istanbul.
STATION: TAO 7430 kc/s 40.38 m (inactive).

ANKARA STATE POLICE RADIO
ADDR.: Türkiye Police Radyos'n Emmiyet Genel Müdürlügü, Ankara. – STATION: 6300 kc/s 47.62 m 1 kW: 07.58–09.00, 14.00–15.00. Prgr. consist of popular Western Recordings & Turkish Music and advice about traffic to drivers.

ANKARA BOY'S TECHNICAL TEACHERS SCHOOL
ADDR.: Ankara Erlek Teknik Ogretmen Okulu, Radyo Servici, Ankara. – STATION: 6440 kc/s 46.50 m 1 kW: 05.57–07.00. Music.

IZMIR MITHAT PASCHA BOYS TECHNICAL INSTITUTE RADIO
ADDR.: Izmir Mithat Pasa Erlek Sonat Esntitüsü, Deneme Radyosu, Karantina, Izmir. – STATION: 7000 kc/s 42.85 m 0.4 kW: 08.28 (Sun. 07.58)–10.00. Music.

★ YEMEN ★

Local Time: 3 h. ahead of GMT. – Language: Arabic.
RADIO SANAAH (Govt.) 5985 kc/s 50.13 m 1 kW: 04.00–05.00, 17.00–18.00.
ANN.: "Huna Sanaah".

EAST

★ NORTH BORNEO ★

RADIO SABAH (Govt.)
Local Time: 8 h. ahead of GMT. – Languages: English, Chinese, Malay.
ADDR.: Radio Sabah, Jesselton. – Cable: Infof. – L.P.: Inf. and Broadc. Officer: R. J. Brooks. Dir. Posts Telegraphs: R. W. Stephens. Studio Mgr.: R. G. Haggett (N.Z.B.S.).
HOME SERVICE: 7180 kc/s 41.78 m 5 kW: 04.15–05.45, 09.30–12.00
English: D.: 04.45–05.15, 11.00–12.00. Chinese: D. 05.15–05.45, 09.30–10.15. Malay: D. 04.15–04.45, 10.15–11.00.
ANN.: "This is Radio Sabah operating on the 41 metre band from Jesselton N. Borneo". – INT. SIG.: Open and close with sound of N. Borneo Native Gongs. – VER. by QSL-card or letter. – F.PL.: Expansion in studio space and prgr. time.

★ BURMA ★

Local Time: 6½ h. ahead of GMT. – Languages: English, Burmese, Hindustani.
BURMA BROADCASTING SERVICE (Govt.).
ADDR.: No. 28, Windermere Crescent, Rangoon.
L.P.: Dir. Broadc.: U. Khin Zaw, B.A., F.L.A. Deputy Dir. Broadc.: U. Pe Thaw, B.A., B.L. Chief Eng.: U. Win Mg, MIRE.
HOME SERVICE in Burmese, English, Hindustani, native dialects: Rangoon (m.w. 5 kW, s.w. 7.5 kW):

955 kc/s 314 m	01.00–02.30	Burmese, E., Hindustani
	05.30–07.30	Burmese, E.
	12.00–15.15	Burmese, E., native dialects
6034 – 49.71 –	01.00–02.30	Burmese, E., Hindustani
	05.30–07.30	Burmese, E.
	12.00–15.15	Burmese, E., native dialects
9543 – 31.44 –	05.30–07.30	Burmese, E.
	12.00–15.15	Burmese, E., native dialects

BURMESE: N.: 01.30, 07.15, 13.15. – Weatherrep.: 13.30. – Time Sig.: 12.30, 13.00, 13.15, 15.00. – Prgr. Preview: 14.13. – Burmese Music: 01.35–02.00, 13.00–14.15. – Mailbag: 02.00, 12.35, 13.00.
ENGLISH: N.: 01.25, 06.30, 15.00. – Weatherrep.: 15.05. – Prgr. Preview: 15.13.
HINDUSTANI: 02.15–02.30.
ANN.: E.: "This is Myanma Athan, the Burma Broadcasting Service".
INT. SIG.: Burmese Prgr.: Signature tune: Burmese oboe, gongs and drums. English Prgr.: Signature tune: Eric Coates' "Calling all Workers". Before news Mozart's "Minuetto Allegretto in E flat". After news: "Shepherds Dance" from Beethoven's Pastoral Symphony. – VER. by QSL-card. – F.PL.: The expanded internal and external services using one 50 kW m.w. transmitter and three 50 kW s.w. transmitters will commence in 1958.

★ CEYLON ★

Local Time: 5½ h ahead of GMT. – Languages: English, Sinhalese, Tamil.
RADIO CEYLON (Govt. Comm.).
ADDR.: Dept. of Broadcasting, P.O. Box 574, Colombo 7. Cable: "Radceylon".
L.P.: Dir. Gen.: M. J. Perera, Dir. Tec.: N. S. Wickremasinghe, Dir. National Service: S. B. Senanayaka. Dir. Comm. Service: C. R. Dodd. Adm. Asst.: D. Samarakone.
STATIONS: (NS=Nat. Service Sinhalese; NT=Nat. Service Tamil; NE=Nat. Service English; C=Comm. Service).

kc/s	m	kW		kc/s	m	kW	
640	469.0	0.25	C	5020	59.76	1	NE, C
700	428.0	15	NS, C	6004	49.95	7.5	C
870	344.8	0.25	NT	6095	49.22	10	C
920	326.0	1	NE	7190	41.72	7.5/35	C
4870	61.60	7.5	C	9520	31.51	35	C
4943	60.72	10	NS	11770	25.49	35	C
4970	60.36	7.5	NS, NT	17820	16.84	35	C

NATIONAL SERVICE:
E.: On 920/5020 kc/s: W. 12.30–16.30. Sun.: 04.30–07.30, 12.30–16.30.
N. & Commentary, Weatherrep.: D. 15.15. – Time Sig.: D. 12.30. – Music: Fri. 12.15–12.45. Sat. 15.00–15.15. – Request Prgr.: Mo., Tues., Sat. 12.45–13.30, Wed. 13.15–14.00, Thurs. 12.45–13.15. – Religious: Christian: 14.30–15.00. Buddhist: Thurs., Sat. 14.30–15.00, Sun. 05.00–05.30.
SINHALESE: On 700/6095 kc/s: 01.15–03.00 (Sun. 05.30), 06.30–07.30. On 700/4943 kc/s: 11.30–16.45.
N., Commentary, Weatherrep.: 01.45, 07.15, 13.00, 15.30. – Time Sig.: 01.30, 02.30, 06.30, 07.30, 12.30, 13.30, 15.30. – Request Prgr.: W. exc. Tues. 13.30–14.00.
TAMIL: On 870/4970 kc/s: 01.30–03.00 (Sun. 04.30), 06.30–07.30 (Sun. 05.30–08.00), 12.30–16.30.
N., Commentary, Weatherrep.: 02.00, 07.00, 14.00, 15.30. – Time Sig.: 01.30, 06.30, 12.30, 15.30. – Request Prgr.: Mo., Thurs., Fri. 16.15–16.30, Sat. 15.45–16.00, Sun. 05.30–05.45. – Mailbag: Sun. 13.15 (fortnightly).
ANN.: E.: "This is the National Service of Radio Ceylon". – Tamil: "Illankai Vanoli – Thesiya Oliparappu". – Sinhalese: "Me Lanka Guvanviduliye Swadeshiya Pracharayayi". – INT. SIG.: All three services open with National Drums ("Magul Bera") and close with National Anthem ("Namo Namo Matha"). – VER. by letter.

COMMERCIAL SERVICE
To CEYLON in E., Sinhalese, Tamil, Hindi:
E.: On 920/5020 kc/s: 01.30–04.30; on 640/6004 kc/s: 07.30–09.30; on 640/4870 kc/s: 11.30–17.30. – N.: (BBC): 02.00, 13.00. – Sinhalese: On 640/6004 kc/s: 01.30–04.30, 05.30–07.30; on 920/5020 kc/s: 07.30–10.30. – N.: 01.45, 07.15. – Tamil: On 640/6004 kc/s: 04.30–05.30; on 640/4870 kc/s: 09.30–11.30 (exc. Sat.).
To ASIA in E., Hindi, Tamil:
E.: On 7190/11770 kc/s: 01.30–04.30; on 6004/9520 kc/s: 11.30–17.30. – N. (BBC): D.: 02.00, 13.00. Home N. from Ceylon: D. 12.45. – Rel. Prgr.: D. 16.00–16.30. – Sinhalese & Tamil: On 9520 kc/s: 04.30–07.30; on 7190 kc/s: 11.30–17.30.
To AFRICA in English: On 17820 kc/s: 05.15–06.30.
To S.E. ASIA in English: On 17820 kc/s: 09.15–11.15.
ANN.: E.: "This is the Commercial Service of R. Ceylon". – Sinhalese: "Me Lauka Velanda Guwan Viduli Sewayayi". – Tamil: "Illangai Vanoli Varthaga Olipparappu". – Hindi: "Yeh Radio Ceylon Ka Vyapaar Vibhag Hai". – INT. SIG.: Opens & closes with the theme "Strike up the Band". – VER. by QSL-card.

E A S T

MANILA BROADCASTING COMPANY

Teen-age life, love and laughter are hilariously portrayed on DZRH's latest addition to its roster of big shows in the NUMBERONE PROGRAM, presented by Lifebuoy soap every Wednesd. at 12:30 GMT. Central figures in the radio comedy are Mr. and Miss Number One (Juancho Gutierrez and Amalia Fuentes), two new big stars from Sampaguita Pictures.

SHARQ AL ADNA, CYPRUS

has led the way in the M.E, to a more intelligent and enterprising use of broadcasting in the popular field. Its variety shows have a particular appeal and draw many thousands of letters a week. Shamel and Mir'i, two popular Lebanese comedians, are regular contributors to Sharq's programmes.

→

RADIO SARAWAK:

"Gendang Melayu". Malay Musical Entertainment.

FIJI BROADCASTING COMMISSION:

The Maori Singer Inia Te Wiata, recording a song.

THE VOICE OF INDONESIA: →

Prince Arjuna on the "Wayang Orang" stage, the role is played by an actress. The word "Wayang" refers to the Central Java Galanty-show when the puppets of this show are played by actors and actresses, we have the "Wayang Orang" stage play. The word "Orang" meaning "Human Being".

Manila Broadcasting Company Philippines DZRH Juancho Gutierrez Amalia Fuentes Sharq al adna Cyprus Shamel Mir'i Lebanon Radio Sarawak Gamelang Voice of Indonesia Fiji Broadcasting Commission Ina Te Wiata

VOICE OF AMERICA STATION IN CEYLON
ADDR.: Voice of America, Washington 25, D.C., U.S.A.
STATIONS: Colombo 35 kW: 12.30–17.00, 17.30–21.00.
7110 kc/s 42.19 m 11875 kc/s 25.26 m 17800 kc/s 16.85 m
11835 kc/s 25.35 m 15265 kc/s 19.65 m
D.PRGR.:

To India/Pakistan (7110/11875):		To Africa (15265/17800):	
12.30 E.	15.00 E.	17.30 E.	19.00 E.
13.00 *	15.30 Hindi	18.00 Hindi	19.30 MusicUSA
13.30 Hindi	16.00 Urdu		
14.00 Urdu	16.30 E.	To N. & M. East (11835):	
14.30 *		19.00–21.00 Music USA.	

*) Indian/Pakistani languages.
ANN.: "This is Colombo relaying the Voice of America." – **VER.** by QSL-card.

★ THE PEOPLES REPUBLIC OF CHINA ★

Local Time: 8 h. ahead of GMT. – **Language:** Chinese.
BROADCASTING ADMINISTRATION BUREAU (Govt.).
ADDR.: Broadcasting Administration Bureau, Peking. – **L.P.:** Dir. Gen.: Mai-I.

HOME SERVICE:

CENTRAL PEOPLES BROADCASTING STATION
FIRST PRGR.: 20/150/300 kW.
W.: 03.30–17.30, 21.45–02.30. Sun.: 21.25–05.30, 09.35–17.30.
MEDIUM WAVES:

kc/s	m	kc/s	m	kc/s	m
560	535.7	640	468.8	840	357.1
570	526.3	700	428.6	1020	294.1

Short Waves:
3915, 3960, 5970, 6100, 6200, 7170, 7500, 9064, 9735, 10260, 11835, 11900, 11935, 15240 kc/s.
N.: 00.25, 04.30, 09.30, 10.30, 14.30, 22.00, 23.00.
SECOND PRGR.: 20/150 kW.
W.: 03.15–15.15, 22.55–00.30. Sun.: 03.55–15.15, 22.55–02.30.
600 kc/s 500 m – 720 kc/s 416.7 m – 5880 kc/s 51.02 m – 9972 kc/s 30.08 m.
N.: 00.00, 04.00, 07.30, 13.30, 15.00, 23.30.
THIRD PRGR. (to the capital):
810 kc/s 370.4 m: 22.30–00.00, 06.40–08.40, 09.55–14.00.
1350 – 222.2 –: 21.55–23.00, 01.15–02.40, 07.55–09.00.
TO TAIWAN
Medium Waves: 02.25–06.30, 09.25–16.00, 21.55–01.30.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
900	333.3	1230	243.9	1360	220.6	1510	198.7
1090	275.2	1300	230.8	1430	209.8	1540	194.8

Short Waves:
03.25–06.30, 09.25–11.30 on 15480, 15590, 15710, 15880, 17450, 17490, 17533, 17605 kc/s.
11.45–16.00 on 7620, 7770, 9170, 9340, 9390, 9460, 11515, 11600 kc/s.
21.55–23.30 on 5860, 7485, 9170, 9340, 9390, 9460, 11455, 11515 kc/s.
23.45–01.30 on 11515, 11600, 15480, 15590, 15710, 15880, 17450, 17533 kc/s.
TO MINORITIES:
Mongolian: 04.30–04.55 on 720, 6065, 9765, 11650 kc/s.
10.30–10.55 on 6065, 9765, 11650 kc/s.
Korean: 04.30–05.00, 10.30–11.00 on 1020 kc/s.
Tibetan: 05.30–06.00, 11.30–12.00 on 11650, 15060 kc/s.
LOCAL STATIONS:

Name	kc/s	Name	kc/s
Tientsin	790, 870, 1390	Yunnan	820
Shanghai	800, 1040, 1110, 1290, 1500	Kweichow	1000
		Tangshan	1450
Hopei	1280	Shihchiachw.	1210
Sansi	1110	Paotao	670
Inn.Mongol A	960, 1420, 6825, 9090, 11040	Shenyang	690, 780
		Dairen	830
Inn.Mongol B	1200, 1380	Anshan	950
Liaoning	1240	Antung	1110
Kirin (prov.)	580	Chinchow	1410
Heilungkiang	1440	Fushun	850
Shensi	1370	Fusin	1470
Kansu	860	Penchi	1310
Tsinhai	1010, 1250, 6500	Kirin (mun.)	1390
Sinkiang	910, 4200, 6280[1]) 740, 4500, 7050[2])	Changchun	1330
		Yenpian	930
Chantung	1320	Harbin	660
Kiangsu	680	Tsitsihar	970
Anhwei	940	Sian	690, 1490
Chekiang	990, 1350	Wusi	1270
Fukien	880, 1480	Nanking	1070
Honan	1460	Tsingtao	1490
Hupei	770	Ningpao	650
Hunan	1260	Wenchow	1450

Name	kc/s	Name	kc/s
Kiangsi	1400	Wuhan	1030
Kwangtung	1060, 1340	Canton	790, 660
Kwangsi	620[3]), 1120[4])	Hainan	1210
Szechuan	1220	Chunking	1310

[1]) in Chi. [2]) in Nighur. [3]) in Chi. [4]) in Tzuaw.

FOREIGN SERVICE
Burmese: 01.00–01.30, 12.00–12.30 on 11715, 15350 kc/s.
Chinese (to S.E.As., Au., N.Z.): 05.00–05.30 on 15060, 15350 kc/s. – 13.00–13.30 on 11715, 15350 kc/s.
Chinese (to N.Ea. and N.E.Af.): 20.30–21.00, 22.15–22.45 on 15060 kc/s.
Chinese (to Eu.): 17.30–18.00 on 9680, 11650, 15060 kc/s.
English (to S.-E.As.): 03.00–03.30, 09.00–09.30 on 15350 kc/s – 14.30–15.00 on 11715, 15350 kc/s.
English (to Jap.): 03.00–03.30, 09.00–09.30 on 11650, 15060 kc/s.
English (to N. and M. Ea., N.-Ea. Af.): 19.00–19.30 on 9765, 15060 kc/s.
English (to Eu.): 19.30–20.00 on 9680, 11650 kc/s.
Indonesian: 10.30–11.00, 15.00–15.30, 23.00–23.30 on 11715, 15350 kc/s
Japanese: 11.00–11.30 on 1020, 9765, 11650, 15060 kc/s – 12.15–13.00 on 720, 1020, 9765, 11650, 15060 kc/s – 14.00–14.30 on 1020, 9765 kc/s – 21.00–21.30 on 720, 1020, 9765, 11650 kc/s –
Korean: 11.45–12.15 on 1020, 9765 kc/s – 21.30–22.00 on 720, 1020, 6560, 9765 kc/s.
Spanish: 18.30–19.00, 22.00–22.30 on 9680, 11650 kc/s.
Thai: 00.30–01.00, 13.30–14.00 on 11715, 15350 kc/s.
Vietnamese: 11.30–12.00, 23.30–00.00 on 11715, 15350 kc/s.
Amoy (for overseas Chinese): 12.30–13.00 on 11715, 15350 kc/s – 23.00–00.00 on 11650, 15060 kc/s.
Cantonese (for overseas Chinese): 10.00–10.30 on 11715, 15350 kc/s – 23.00–23.30 on 11650, 15060 kc/s.
Chowchow (for overseas Chinese): 00.30–01.00 on 11650, 15060 kc/s – 14.00–14.30 on 11715, 15350 kc/s.
Ke-chia (for overseas Chinese): 00.00–00.30 on 11715, 15060, 15350 kc/s. – 09.30–10.00 on 11715, 15350 kc/s.
VER. by QSL-card or letter. Reports from foreign countries are welcomed.

★ GOA (Portuguese India) ★

Local Time: 5½ h. ahead of GMT. – **Languages:** Portuguese, English and Indian/Pakistani languages.
EMISSORA DE GOA (Govt. and Comm.)
ADDR.: Emissora de Goa, Cidade de Goa, Portuguese India. **Cable:** Emissora, Goa.
L.P.: Pres.: J. A. de Oliveira Chaves. Asst. Dir.: J. E. G. Lima do Souto. Dir. Tec.: V. A. G. Carvalho.
HOME SERVICE: XX5A 01.30–17.30.
557 kc/s 538.0 m 2.5/5/10 kW – 6025 kc/s 49.79 m 7.5 kW
4930 kc/s 60.85 m 0.5 kW – 9610 kc/s 31.22 m 0.5/7.5 kW

		kc/s			kc/s
01.30	P	557/4930	11.30	E*	6025/9610
01.30	Concani	6025/9610	11.30	P[1])	557/4930
02.30	Marathi		12.00	P/Concani[2])	557/4930
03.30	Urdu		12.30	E*	557/4930
04.30	Hindi	557/4930	13.00	E[2])	6025/9610
05.30	P	6025/9610	13.30	P	6025/9610
06.00	Gujrati		13.30	Concani/P	557/4930
06.30	E*		15.00	E**	557/4930
07.30	E**	6025/9610	15.30	E*	6025/9610
07.30	P	557/4930	16.00	Concani[3])	
09.30	E*	557/4930 6025/9610			

*) Comm.prgr. **) Official prgr. [1]) Military prgr. [2]) Catolic prgr. [3]) Repeat of 13.30 prgr. during which 9610 kc/s is directed towards Africa (for Goan Immigrants).
N.: E.: 07.40, 15.10. – P.: 05.40, 08.00, 14.00. – Concani: 02.00, 14.30, 16.30. – Marathi: 02.45. – Gujrati: 06.10.
ANN.: E.: "Radio Goa – Voice of Goa – Voice of Portugal". P.: "Emissora de Goa – Voz de Goa – Voz de Portugal." E. Comm. Service: "This is the Commercial Service of Radio Goa." – **VER.** by letter.

★ HONG KONG ★

Local Time: 8 h. ahead of GMT (Su. 9 h.). – **Languages:** English, Chinese.
RADIO HONG KONG (Govt.).
ADDR.: Electra House, Hong Kong. – **Cable:** Broadcast.
L.P.: Controller of Broadcasting: D. J. Lyttle. Eng. i/c Broadc.: W. A. Waters. Senior Prgr. Asst's.: English Section: T. A. Birch (Acting); Chinese Section: Chow Nai Yeung.

HOME SERVICE:
ENGLISH: ZBW 860 kc/s 349 m 2 kW Mo.-Fri. 23.00–01.00, 04.30–

English		Afrikaans		Comm.	
3315 kc/s	90.50 m	3376 kc/s	88.80 m	3356 kc/s	89.39 m
4800 –	62.50 –	4895 –	61.29 –	4945 –	60.67 –
7229 –	41.52 –	7275 –	41.24 –	7295 –	41.12 –
9680 –	30.99 –	9523 –	31.50 –		
11900 –	25.21 –	11840 –	25.34 –		

Medium Waves:	English		Afrikaans		Comm.	
Johannesburg:						
West Rand	638	470	719	417	575	522
East Rand	1034	290	827	363	1286	233
Pretoria:	1439	208	1097	273	1268	236
Pietersburg:	1115	269	863	348	989	303
B'oemfontein	674	445	593	506	782	384
Kimberley:	1070	280	1241	242	962	312
Grahamstown:	620	484	701	428	809	371
Port Elizabeth:	1313	228	1043	288	1178	255
East London:	1025	293	1151	261	908	330
Cape Town:	656	457	557	538	728	412
Durban:	566	530	692	433	800	375
Pietermaritzburg	764	392	665	451	845	355

ENGLISH and AFRIKAANS SERVICES:
W.: 04.40–21.15. Sun.: 05.55–21.15. – N.: 05.00(W), 06.00, 11.15, 16.00, 17.00 (W), 19.00, 21.00.
COMMERCIAL SERVICE – Springbok Radio:
W. 04.00–22.00. Sun. 05.00–21.00.
INT.-SIG.: Commercial Service: GGEGA.
INTERNATIONAL SERVICE: Initially the prgr. will be broadcast from 14.00–18.00 in two bands chosen from the following: 11, 13, 16, 19, 25, 31 metres.
VER. by QSL-card for all services. **Publication:** "SABC Radio Bulletin."

★ ZANZIBAR ★

Local Time: 3 h. ahead of GMT. – **Language:** Arabic, English, Swahili, Gujarati.
RADIO ZANZIBAR – VOICE OF ZANZIBAR (Govt.)
ADDR.: Information Office, P.O. Box 222, Zanzibar. **Cable:** Information.
L.P.: Senior Commissioner: R. H. W. Pakenham. Information Officer: Sk. Yahya Alawi El-Yofil.
HOME SERVICE:
3339 kc/s 89.90 m – 4795 kc/s 62.54 m 0.25 kW: 13.30–15.00.
Arabic: Recital of the Holy Qur'an: 13.32–13.43. – **National Music:** (in Arabic & Swahili): 14.30–15.00. – **Swahili: N.:** D. 13.45–14.00. – **Weatherrep.:** Sat. 13.55–14.00. – **Mailbag:** Fri. 14.15–14.30.
All programmes are also for East African dependencies including Comoro Islands.
ANN.: E.: "This is the Voice of Zanzibar." **Swahili:** "Hiini Sauti ya Unguja." **Arabic:** "Hadha Saut Zinjibar."
INT.-SIG.: Transmissions open with the anthem of His Highness the Sultan of Zanzibar. – **VER.** by letter. Return postage not necessary. – **Publications:** Weekly newsletter in Swahili called MAARIFAX. Monthly newsletter in E.

NEAR EAST

★ ADEN ★

Local Time: 3 h. ahead of GMT. – **Languages:** Arabic, English.
ADEN BROADCASTING SERVICE (Govt.).
ADDR.: P.O. Box 1264, Aden. – **Cable:** "Broadcasts". – **L.P.:** Dir. and Public Relations Officer: N. J. V. Watt. Broadc. Officer: T. Z. Irany.
HOME SERVICE in Arabic: 15.30–17.30.
Cable & Wireless 6045 kc/s 49.63 m 3 kW: 12.30–13.30, 15.30–17.30. – R. A. F. 1236 kc/s 242.7 m 0.3 kW.
N.: 16.00–16.10, Wed. 16.25 (Colony News), 17.20–17.30. **Local N.:** Wed. 16.25, Thurs. 17.10.
ANN.: Arabic: "Huna Aden". E.: "Here is Aden". – **VER.** by letter. – **F.PL.:** In 1957 m.w. 5 kW, s.w. 7.5 kW.
ADEN FORCES BROADCASTING ASSOCIATION (Milit.)
ADDR.: R.A.F. Station, Khormaksar. **STATION:** 1025 kc/s 293 m 0.3 kW. **D. PRGR.** in E.: 06.00–07.00, 16.45–20.00.

★ AFGHANISTAN ★

Local Time: $4^1/^2$ h. ahead of GMT. – **Language:** Pushto.
AFGHAN BROADCASTING SYSTEM (Govt.).
ADDR.: Telecommunications Division, Ministry of Communications, Kabul. – **Cable:** Aftel. – **L.P.:** Dir. Gen.: A. A. Durani.
HOME SERVICE:
660 kc/s 454.5 m 20 kW: 02.30–03.30, 13.30–17.30. **N.:** 02.45, 15.30.
ANN.: National language Pushto: "Da Kabul dai". – **INT.-SIG.:** A record on national flute. – **VER.** by letter. Reports are welcome.

★ BAHRAIN ★

Local Time: 4 h ahead of GMT. – **Language:** Arabic.
BAHRAIN BROADCASTING STATION (Govt.)
ADDR.: Public Relations Dept., Broadcasting Station, Bab al-Bahrain, Manama, Bahrain. – **L. P.:** Bahrain Government Public Relations Officer: James H. D. Belgrave. Dir. of Broadc.: Ibrahim Ali Kanoo. Radio Operator: Abdul R. Abdulla.
HOME SCE.: in Arabic: 610 kc/s 491.8 m 2.5 kW:
D. 16.00–18.00. Fri. also 04.30–06.00.
N.: D. 17.00 – **Press Review:** Fri. 16.15 – **Request Prgr.:** Sun., Tues. 16.15–16.45, Fri. 04.51. – **National Music:** 17.40–17.58. – **Woman's Section:** Wed. 16.15. – **Time Sig.-:** 17.00 – **Weatherrep.:** 17.15. – **Prgr. Preview:** D. 16.00.
ANN.: Arabic: "Huna Bahrain". – **VER.** by letter.

★ CYPRUS ★

Local Time: 2 h. ahead of GMT. – **Language:** English, Greek, Turkish.
CYPRUS BROADCASTING SERVICE (Govt.).
ADDR.: P.O.B. 824, Nicosia. – **Cable:** "Broadcasts" Nicosia.
L.P.: Asst. Dir.: Hedley Chambers. News Editor: John Appleby.
HOME SERVICE: Basic Greek Programme:
Nicosia 692 kc/s 434 m 10 kW
Paphos 922 – 325 – 2 –
Limassol 1484 – 202 – 0.25 –
} W.: 04.30–06.00, 10.30–12.30, 14.30–21.10. Sun. 05.00–12.30, 14.30–21.10.
Basic Turkish Programme: Nicosia 606 kc/s 495 m 10 kW: 04.30–06.00, 10.30–12.30 (Sun. 05.00–12.30), 14.30–21.10.
N. in Greek: 05.15*, 12.00, 17.30, 20.30. – **N. in Turkish:** 05.30*, 12.00, 17.30, 20.30. – **N. in English:** 05.45*, 11.30*, 17.00 (on 606 kc/s), 21.00*.
*) on both programmes.
ANN.: Blue ch.: "Edho Kypriaki Radiofoniki Ypiresia". Red ch.: "Burasi Kibris Radyo Servisi". – **INT.-SIG.:** Celeste. – **VER.** by letter.
FORCES BROADCASTING SERVICE (Br. War Dept.).
ADDR.: No. 4 Forces Broadcasting Service, Nicosia.
L.P.: Station Commander: P. Buckle. **ST.:** 1093 kc/s 274 m 1 kW.
D. PRGR.: E.: W.: 04.00–09.15, 09.45–21.00. Sun. 05.00–21.00.
ANN.: "This is the Forces Broadcasting Station, Cyprus". – **INT.-SIG.:** Musical Box. – **VER.** by QSL-card/letter. No return postage required.

SHARQ AL ADNA (Near East Arab Broadcasting Station) Comm.
ADDR.: Head Office: P.O. Box 219, Limassol. Branch Offices: London, 17 Victoria Street – Beirut, Phoenicia Road – Damascus, Firdous Street – Amman, Salt Road – Cairo, 37 Maspero Street – Baghdad, Badawi Street.
L.P.: Man. Dir.: R. Poston. Deputy Dir.: G. R. John. Dir. of Prgr.: Mohammad Ghussein. Public Relations Officer: S. A. Sheriff. Advertisement Mgr.: C. J. Morny.
HOME SERVICE in Arabic to all Arabic speaking countries of the Near and Middle East:
Medium wave 100 kW. – Short wave 7.5/20 kW.
638 kc/s 470.2 m – 6170 kc/s 48.62 m – 9650 kc/s 31.09 m
6120 – 49.02 – – 6790 – 44.18 – – 11720 – 25.60 –
Wi.: 03.45–06.45, 09.00–21.00 (Fri., Sun.: 03.45–21.00). – Su.: (not firm): 03.25–06.30, 09.00–22.00 (Fri., Sun. 03.25–22.00).
ANN.: "Mahattat a Sharq al Adna Lil'iza 'al Arabiya".
INT. SIG.: Arabic music and stringed instrument. – **VER.** by letter of reports from Near East countries only. No return postage required. – **F.PL.:** Hope to have two more 20 kW transmitters in service early in 1957.

★ IRAN ★

Loca Time: $3^1/_2$ h. ahead of GMT. – **Languages:** Persian, Arabic, Urdu.
DEPARTMENT OF PUBLICATION AND BROADCASTING (Govt.)
ADDR.: Radio Tehran, Ark Ave., Tehran. – **L. P.:** Deputy Prime Minister and Pres. of Publications and Broadcasting Dept.: Nasser Zulfaghari. Dir. Gen.: Nossratollah Moinian. Chief of External Service: Amir Moez. Chief Radio Section: Taghi Rowhani. Chief Studios: Eng. Attefi.
HOME SERVICE: 02.30–17.30 (895, 3960 kc/s only), 18.30–20.30.
EQA 895 kc/s 335 m 2 kW EQC 9680 kc/s 30.99 m 20 kW
EQO 3960 – 75.76 – 20 – EPB 15100 – 19.87 – 32 –
Tabriz: EQR2 6092 kc/s 49.24 m 7.5 kW d.: 02.25–04.30, 07.30–11.00, 13.30–18.00.
Shiraz: EPP2 6435 kc/s 46.58 m 0.4 kW.: 12.30–15.00.
Isfahan: 1500 kc/s 200 m: 12.30–14.30.
R. Meshed: 1500 kc/s 200 m – 6800 kc/s 44.12 m: 12.30–15.00.

R. Ahwaz: EPU3 7950 kc/s 37.74 m 0.75 kW: 13.00–15.00.
R. Resht: EPR16 7940 kc/s 37.78 m 0.75 kW: 12.30–14.30.
R. Kurdestan: 1500 kc/s 200 m 0.4 kW: 11.30–13.30, 15.30–18.30. 17.30–20.30. 895, 3460 kc/s: 02.30–17.30, 18.30–20.30, 9680, 1500 kc/s.

FOREIGN SERVICE:
15100, 9680, 3960, 895 kc/s.
Arabic 12.00. Urdu 12.10. Russian 19.15. Turkish 19.30. German 19.45. (Sun., Tues., Thurs.). French 19.45 (Sat. ,Mo., Wed.). English 20.00.
ANN.: "This is Tehran Calling". F.: "Ici Radio Téheran". G.: "Hier spricht Teheran". Persian: "Inja Tehran". Tu.: "Burasi Iran Tehran Radisu". Ru.: "Govorit Tigran". Arabic: "Huna Tehran". – VER. by letter. – F. PL.: New 50 kW transmitter at the end of 1956.

★ IRAQ ★

Local Time: 3 h. ahead of GMT. – Languages: Arabic, Kurdish.
ADDR.: Baghdad Broadcasting Station, Baghdad. – L.P.: Ag. Dir. Gen. of Guidance and Broadcasting: K. Ibrahim.

HOME SERVICE
HNA 908 kc/s 330.00 m 100 kW
HNC 3297 kc/s 91.00 m 16 kW
HNG 11705 kc/s 25.63 m 100 kW
Arabic: 03.55–07.00, 09.55–12.00, 13.25–21.00 on 908/11705 kc/s (at 09.55–12.00 also 3297 kc/s). – Kurdish: 12.55–17.00 on 3297 kc/s
ANN.: "Huna Baghdad" (Here is Baghdad). – INT.-SIG.: Soft chirps of a mechanical nightingale. – VER. by QSL-card. – F.PL.: A new 100 kW s.w. transmitter will be ready during spring 1957.

★ ISRAEL ★

Local Time: 2 h ahead GMT. (Su. 3 h). – Languages: Hebrew, Arabic, Turkish.

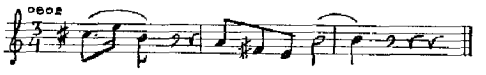
ISRAEL BROADCASTING SERVICE (Govt.).
ADDR.: Kol Israel: P.O. Box 1082, Jerusalem. Cable: "Kol Israel". L.P.: Broadcasting: Dir. Gen.: Prime Ministers Office: Teddy Kollek. Dir. of Israel Broadc. Service: Harry Zinder. Deputy Dir.: Hanoch Givton. Dir. Prgr.: Dr. Y. Spira. Dir. News: Z. M. Kenner. Arabic Prgr.: S. Bar-Haim. Engineering: Dir. Gen.: Ministry of Posts: H. Ben-Menachem. Dir. Engineering Sce., Radio, Transmissions: M. Bermain.
STATIONS:

	kc/s	m	kW	Call	Prgr.
Tel Aviv	575	521.7	50	4XB36	A
–	652	460	0.8	4XB47	B
Jerusalem	737	407.1	2.5	4XB34	B
Haifa	1025	292.7	0.5	4XB48	B
–	1205	249	0.5	4XB35	A
Tel Aviv	1277	234.9	1	4XB53	C
Haifa	1336	224.5	1	4XB42	C
Jerusalem	1390	215.8	1	4XB43	C
Tel Aviv	2442	122.9	0.5	4XB51	C
–	6190	48.47	1	4XB44	C
–	6830	43.92	2.5	4XB21	A+B
–	9009	33.3	50	4XB31	to C. Europe & Africa d.

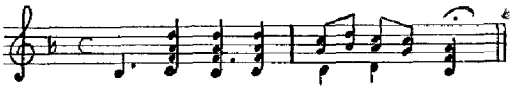
FM: Jerusalem 0.25 kW:
88.3 mc/s 4XB37 – 89.3 mc/s 4XB32 – 90.3 mc/s 4XB39
FM: Tel Aviv 0.25 kW: 93.3 mc/s 4XB39 – 94.3 mc/s 4XB52

HOME SERVICE
PROGRAMME A: KOL ISRAEL
Hebrew:
575 kc/s: D. exc. Sat.: 04.30–06.00, 10.00–12.15, 13.30–14.00 (Fri. only), 14.00–16.00, 17.00–21.00. Sat.: 05.30–06.00, 06.30–12.15, 13.15–16.00, 17.00–22.00.
1205 kc/s: 04.00–04.30 (Sun., Wed., Fri.); D. exc. Sat.: 04.30–06.00, 10.00–12.15, 13.30–14.00 (Fri. only), 14.00–16.00, 17.00–21.00. Sat.: 05.30–06.00, 06.30–12.15, 13.15–16.00, 17.00–22.00.
N.: D.: 04.35 (exc. Sat.), 05.00 (exc. Sat.), 06.30 (Sat. only), 11.30, 15.00 (exc. Fri., Sat.), 17.00, 19.00, 21.00. – Weatherrep.: After each N. – Time Sig.: 04.30 (exc. Sat.), 05.00 (exc. Sat.), 10.00 (Sun. 09.30), 11.30, 12.15, 14.00, 16.15, 17.00, 19.00, 21.00, Sat. also 05.30. – Prgr. Preview: D. 17.15.
Arabic on 575/1205/6830 kc/s:
D.: 06·00–07.00, 12.15–13.30 (Sat. 13.15), 16.00–17.00.
Turkis hon 575/1205/6830 kc/s: Sun. 09.30–10.00.
PROGRAMME B: KOL ISRAEL
N. in foreign languages on 652.1/737/1025/6830 kc/s: English: 11.45–12.00, 20.00–20.15. – French: 12.00–12.15, 19.30–20.00. – Hebrew for Immigrants: 18.00–18.15. – Hebrew Lessons: 15.45–16.00. – Music: 16.00–17.00. – Moroccan Arabic: Mo., Thurs., Sat. 18.15–18.30. – Yiddish: 17.00–17.30 (exc. 6830 kc/s). – Ladino: 17.30–18.00. – Persian: Sun., Wed. 18.15–18.30. – Turkish: 18.15–18.30 (Tues., Fri.). – Rumanian: 18.30–18.45. – Hungarian: 18.45–19.00.
PROGRAMME C: Galei Tzahal (Forces Broadcasting Service).
1277/1336.5/1390/2442/6190 kc/s: D. 16.30–20.00 (Sat. 20.30).

FOREIGN SERVICE: KOL ISRAEL: To Central Europe: 9009 kc/s: 17.30–19.15, 20.00–20.15, 21.00–21.15. – N.: Hebrew: 19.00, 21.00. English: 20.00.
Prgr. in Ladino, Hungarian, Rumanian, Turkish, Persian, Moroccan, Arabic as mentioned under Prgr. B.
ANN.: Program A and B: Hebrew: "Kol Israel". – Yiddish: "Kol Israel Laole". – Arabic: "Hunna Muhattat Israil". – English: "Kol Israel. – This is the Voice of Israel". – French: "Ici Kol Israel La Voix d'Israel". – Hungarian: "Kol Israel – It Oz Israeli Radio". – Rumanian: "Aci e Postul de Radio, Kol Israel". – Ladino: "Aqui Kol Israel – La Boz de Israel". – Turkish: "Burasi Israelin Sesi Radyo Istasyonu". – Persian: "In sedai Israil". – Moroccan Arabic: "Bellga el Mograbia if bit el roliun Hadachmi".
Program C: "Galei Tzahal" (Forces Broadcasting Service).
INT. SIG.: Program A & B: Traditional Bible cantellation played on obo strings.



OVERSEAS BROADCASTING SERVICE OF THE WORLD ZIONIST ORGANIZATION – KOL ZION LAGOLA – THE VOICE OF ZION
ADDR.: The Voice of Zion, P.O. Box 754, Jerusalem.
STATION: Tel Aviv 4XB31 9009 kc/s 33.3 m 50 kW.
English to S. Africa: 16.30–17.15. – To Central Europe: 19.15–20.00, 20.15–22.15, 23.00–23.45. English: 21.30–22.15. – French: 20.15–21.00. – Hebrew: 21.15–21.30. – Yiddish: 19.15–20.00. – Portuguese: 23.00–23.45.
ANN.: Hebrew: "Kol Zion Lagola". – English: "Kol Zion Lagola – The Voice of Zion". – French: "Ici Jerusalem – Kol Zion Lagola – La Voix d'Israel". – Yiddish: "Do is Kol Zion Lagola Fon Yerushalaim". – Portuguese: "Aqui Jerusalem, la Boce de Tzion".
Full information about times of transmission in the summer is given in the weekly programme notes, which are published 6 weeks in advance and sent out by airmail.
INT. SIG.: First phrase from the second half of the national Anthem "Hatikva".



VER. by QSL-card and letter. – F.PL.: A new 100 kW transmitter in operation 1957.

★ JORDAN ★

Local Time: 2 h. ahead of GMT. – Language: Arabic, English.

HASHEMITE JORDAN BROADCASTING SERVICE (Govt.)
ADDR.: Ramallah, Jordan. – L.P.: Controller: Thabet N. Khalidi. Asst. Controller: Abdel Qader Taowry.
HOME SERVICE: m.w.: Jerusalem; s.w.: Amman.
677 kc/s 443 m 20 kW. 6060 kc/s 49.50 m 5 kW. 7200 kc/s 41.67 m 5 kW.
Arabic on 677 kc/s: 04.40–07.00, 12.00–13.00, 16.00–21.00, (06.00–07.00, 16.00–17.00 also 6060 kc/s).
English: 11.15–12.00, 15.15–16.00 on 677 kc/s.
ANN.: E.: "This is the Hashemite Jordan Broadcasting Service calling from Jerusalem" or "This is Jerusalem calling." – Arabic: "Dar ul Ithaa al-Urduniya al Hashemiya hl Quds" or "Huna hl Quds." – VER. by QSL-card.

★ KUWAIT ★

Local Time: 3 h. ahead of GMT. – Language: Arabic.

RADIO KUWAIT ADDR.: Security Department, Kuwait.
L.P.: Chief of Public Security: Dir. Shaikh Abdulla Mobarak.
HOME SERVICE: 5000 kc/s 60.00 m 1 kW.
17.00–20.00 (Summer 18.00–21.00), 05.00 07.00 (Fri.).
ANN.: "Huna Kuwait, Mahattat Kuwaitia". – VER. by letter.

★ LEBANON ★

Local Time: 2 h. ahead of GMT. – Languages: Arabic, French, English.

LEBANESE BROADCASTING STATION (Govt.)
ADDR.: Grand Serail, Beirut. Cable: "Radioliban". – L.P.: Minister of Information: Mohamed Sab Ra. Dir. Gen.: A. El-Assad. Head of Cabinet: N. Lian. Head of Press Service: F. Abi Chahla. Chief Eng.: J. Rouhayem.
HOME SERVICE:
836 kc/s 359 m 4 kW – 8036 kc/s 37.34 m 2 kW.

FOREIGN SERVICE on all frequencies: 03.30–04.30, 05.30–06.00, 09.30–10.00, 14.45–15.15. – E.: 09.30–10.00 (to Indonesia), 14.45–15.15 (to India). – F.: 05.30–06.00. – Chi.: 03.30–04.00. – Cambodian: 04.00–04.30. – Cantonese: 10.00–10.30.

★ INDONESIA ★

Local Time: N. Sumatra 6½ h., S. Sumatra 7 h., Java, Indonesian, Borneo 7½ h., Celebes 8 h. and Moluccas Islands 8½ h. ahead of GMT. – **Language:** Indonesian.

RADIO REPUBLIK INDONESIA (Govt.).

ADDR.: Head Office: Medan Merdeka Selatan 17, Djakarta. – Cable: RIVOX.

Djakarta: 4 and 5 Medan Merdeka Barat, **Bandung:** Tjiumbuluit, **Semarang:** 130 Djalan Pandanaran, **Surakarta:** 1 Djalan Marconi, **Surabaya:** 34 Djalan Kajoon, **Jogjakarta:** 6 and 8 Setjodiningratan, **Djember:** 1 Djalan Irigasi, **Madiun:** 30a Djalan Raya, **Denpasar:** Melati, **Kotaradja:** Djalan Pentjul, **Medan:** 28 Djalan Serdang, **Padang:** 14 Djalan Sukarno, **Palembang:** 2 Djalan Merdeka, **Bukittinggi:** 22 Djalan Rumah Sakit, **Menado:** E. 9 Rumah Buruh Sario, **Makassar:** 2 Djalan Radjawali, **Bandjarmasin:** 6 Djalan Sudimoro, **Pontianak:** 7 Djalan Prawira, **Ternate:** c/o Studio Ternate, **Samarinda:** S. 34 and 35 Djalan Pemandian, **Tjirebon:** 129 Djalan Kedjaksaan, **Ambon:** Djalan Batugadjah.

L.P.: Head Office: Dir. Gen.: R. Maladi. Dir. Prgr.: R. M. Sumarmadi. Dir. Adm.: R. S. Hardjolukito. Dir. Tec.: G. de Wilde. Dir. News: R. Maladi. Dir. Foreign Service: R. Soetojo. – **Stations:** Dir.: Bandung: L. S. Tunaro. Jogjakarta: R. C. S. Hadisukanto. Surakarta: O. Soemowidjojo. Surabaya: R. Harto. Semarang: S. Sumobroto. Madiun: Mardjuki. Djember: Sumitro. Tjirebon: Suparto. Palembang: Myrin Kusumo. Padang: Kartoyo. Bukittinggi: A. Nurin. Medan: M. Arief. Kotaradja: A. Azis. Pontianak: S. Karsomahardjo. Bandjarmasin: Djaswadi. Makassar: R. M. S. Adiseputro. Menado: S. A. Muri. Ambon: W. Ch. Risakotta. Denpasar: B. K. Naftali. Studio Ternate: Koesno Alibari. Samarinda: Soetarjo. Tandjung Pinang Studio (Island near Singapore): Sumitro, Sibolga Studio (Sumatra): Simandjuntak.

HOME SERVICES

Call	kc/s	m	kW	
Djakarta (Java Central Station)				
YDB	2240	133.90	1	
YDB	2460	121.95	1	
YDD	3277	91.54	1	
YDB4	3935	76.24	7.5*)	
YDB2	4910	61.10	0.3	
YDF	6045	49.63	100	
YDB3	7270	41.26	7.5	
YDF6	9710	30.9	50	
YDE	11770	25.49	7.5*)	
Bandung (W. Java)				
YDA2	2420	123.96	0.25	
YDA	3205	93.66	10	
YDA3	4945	60.61	3	
Djember (E. Java; relay)				
YDI6	2330	128.74	0.3	(1)
Jogjakarta (C. Java)				
YDJ3	2350	127.65	1	
YDJ	5060	59.29	7.5	
YDJ2	7105	42.22	20	
Madiun (E. Java; relay)				
YDG6	3286	91.29	0.3	(1)
Semarang (C. Java)				
YDH	2490	120.48	0.15	(1)
YDH2	3259	92.05	5	
Surabaja (E. Java)				
YDI3	2370	126.50	0.25	
YDI	3355	89.41	1	
YDI2	3775	79.47	10	
Surakarta (C. Java)				
YDG2	2440	122.95	1	
YDG	4880	61.47	10	
YDG3	7250	41.36	1*)	
Tjirebon (W. Java; relay)				
YDA6	2390	125.50	0.3	
Padang (S. Sumatra)				
YDL2	2480	120.96	1	
YDL3	3960	75.76	10*)	
YDL	6170	48.62	10	
Palembang (S. Sumatra)				
YDK2	2430	123.40	1	
YDK	4855	61.79	10	
Bukittinggi (N. Sumatra)				
YDM	3232	92.82	0.3	(1)
YDM2	5030	59.64	5	
Kotaradja (N. Sumatra)				
YDN	2390	125.50	0.1	
YDN2	4985	60.18	1	(5)
Medan (N. Sumatra)				
YDP2	2490	120.5	20	
YDP	4930	60.85	7.5	
YDP3	7240	41.44	0.25	(1)
Sibolga (Sumatra; relay)				
YDM6	2320	129.3	0.35	(1)
Bandjarmasin (Kalimantan)				
YDO	3250	92.31	1*)	(10)
YDO2	5970	50.25	1*)	
Pontianak (Kalimantan)				
YDW	3345	89.65	1	(5)
Samarinda (Kalimantan; relay)				
YDY	3295	91.00	0.15	
Makassar (Sulawesi)				
YDQ	2460	121.95	0.25	(1)
YDQ2	9550	31.41	10	
YDQ3	7295	41.12	20	
Menado (Sulawesi)				
YDS	3214	93.34	1*)	
YDS2	5990	50.08	1*)	
Denpasar (Bali)				
YDU2	3241	92.56	1	
YDU	4840	61.98	10	
Ambon (Maluku)				
YDR2	3395	88.36	1	
YDR	4865	61.66	10	
Ternate (Maluku; relay)				
YDZ	3325	90.22	0.3	(5)
Tdj. Pinang (Sumatra; relay)				
YDX	3223	93.09	0.1	(1)
Kupang (Nusa Tenggara)				
YDV	3375	88.89	–	(1)

Under construction: Singaradja (Nusa Tenggara), Sumenep (Madura). Envisaged: Tidore (West-Irian Province).

*) When two frequencies on the same transmitter are mentioned, the shortest frequencies are for use in the evening and the other frequencies at daylight. **Figures in brackets indicate the power to which the frequency will be increased.**

DJAKARTA

Nat. Prgr. on **2240, 6045, 11770** (only W. 04.30–07.15), **3935** kc/s (only D. 09.30–15.30). W.: 22.30–00.45, 04.30–07.15, 09.30–15.30. Sun.: 23.30–07.15, 09.30–15.30.
N.: 22.30 (W.), 23.30, 00.30, 05.00, 06.00, 07.00, 11.30, 12.30, 14.30.
Home Prgr. on **3277, 7270** kc/s.
School and educational broadcasts and broadcasts for foreigners.
W.: 22.30–00.45, 04.30–07.15, 09.30–15.30. Sun.: 23.30–07.15, 09.30–15.30. – N.: as for Nat. Prgr.
E.: 12.30–12.58. – N.: 12.32, 12.55.

BANDUNG: W.: 22.27–00.30, 05.27–07.30, 09.30–15.30. Sun.: 23.27–07.30, 09.30–15.30.

DJEMBER: D. 22.30 (Sun. 23.25)–00.45, 09.30–15.30.

JOGJAKARTA: W.: 22.27–00.40, 05.27–07.30, 09.27–15.30. Sun.: 23.27–07.30, 09.27–15.30.

MADIUN: W.: 22.28–00.45, 09.30–15.30. Sun.: 23.28–07.30, 09.30–15.30.

SEMARANG: W.: 22.27–00.45, 05.27–07.30, 09.27–15.30. Sun.: 23.27–07.30, 09.27–15.30.

SURABAJA: W.: 22.28–00.45, 05.25–07.30, 09.28–15.30. Sun.: 23.25–07.30, 09.28–15.30.

SURAKARTA: W.: 22.25–00.45, 05.25–07.30, 09.25–15.30. Sun.: 23.25–07.30, 09.25–15.30.

TJIREBON: W.: 22.28–00.45, 05.28–07.30, 09.30–15.30. Sun.: 23.28–07.30, 09.30–15.30.

PADANG: W.: 23.27–01.30, 06.27–08.30, 10.27–16.30. Sun. 00.27 08.30, 10.27–16.30.

PALEMBANG: W.: 22.57–01.00, 05.57–08.00, 09.57–16.00. Sun. 23.57–08.00, 09.57–16.00.

BUKITTINGGI: as Padang.

MEDAN: W.: 23.27–01.30, 06.27–08.15, 10.27–16.30. Sun. 00.27–08.15, 10.27–16.30. – **SIBOLGA:** D. 10.27–16.30.

BANDJARMASIN: W.: 22.28–00.45, 05.28–07.30, 09.30–15.30. Sun.: 23.28–07.30, 09.30–15.30.

PONTIANAK: D. 09.30–15.30.

SAMARINDA: D. 09.25–15.30.

MAKASSAR: W.: 21.57–24.00, 04.57–07.00, 08.57–15.00. Sun.: 22.57–07.00, 08.57–15.00.

MANADO: W.: 22.00–24.00, 05.00–06.42, 09.00–15.00. Sun.: 23.00–06.42, 09.00–15.00.

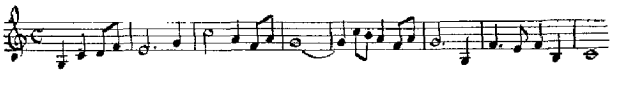
DENPASAR: W.: 22.25–00.45, 05.25–07.30, 09.30–15.30. Sun.: 23.25–07.30, 09.30–15.30.

AMBON: W.: 21.30–23.40, 04.27–06.00, 08.30–14.30. Sun.: 22.30–06.00, 08.30–14.30.

TERNATE: D. 09.27–14.45.

ANN.: Nat. Prgr.: Indonesian: "Inilah Radio Republik Indonesia di..." (name of the station).

INT.-SIG.: Nat. Prgr.:



played on hammond organ by Sudarnoto.
VER. by QSL-card or by letter.

FOREIGN SERVICE FROM DJAKARTA

	kc/s	m	kW			kc/s	m	kW	
YDD	3277	91.54	1	1)	YDF2	11770	25.49	100	5)6)
YDB2	4910	61.10	0.3	1)	YDF7	11770	25.49	100	2)
YDF5	7220	41.55	100	2)	YDF3	11795	25.43	100	2)
YDB3	7270	41.26	7.5	3)	YDG	15150	19.80	100	2)
YDF6	9710	30.90	50	4)	YDF4	17810	16.84	100	2)
YDF8	9865	30.40	50	5)					

Target areas: 1) Indonesia (Foreigners), 2) Spare frequencies, 3) Laos, Cambodia, Vietnam, 4) Java, W. Coast USA, E. As., Japan, S. E. As., 5) Au., N. Zealand, India, M. East, Europe, 6) C. America.

Arabic	13.00–14.00	4)	4910, 9710 kc/s
	16.15–17.00	5)	9865, 11770 –
Chinese	12.00–13.00	1) 4)	4910, 9710 –
English	11.00–12.00	1) 4)	4910, 9710 –
	14.30–15.30	1) 4)	4910, 9710 –
	19.00–20.00	5)	9865, 11770 –

French	15.30–16.30 3)	3277, 7270	–
	17.00–18.00 5)	9865, 11770	–
Hindi	15.30–16.00 4)	4910, 9710	–
Indonesian/Dutch	18.00–19.00 5)	9865, 11770	–
Indonesian	01.00–02.00 6)	9710, 11770	–
Urdu	14.00–14.30 4)	4910, 9710	–

E. PRGR.:
N.: 11.15, 14.45, 19.15. – **"Indonesia in Word and Music": Mo.:** 11.42, 15.12, 19.42. – **"Spotlight on Indonesia": Tues.:** 11.35, 15.05, 19.35. – **"Indonesian Headline": Wed.:** 11.30, 15.00, 19.30. – **"My country and my People": Thurs.:** 11.30, 15.00, 19.30. – **"Indonesian Guestbook": Fri.:** 11.30, 15.00, 19.30. – **"Indonesian Music": Sun.:** 11.27, 14.57, 19.27. **Fri.:** 11.02, 14.32, 19.02. **Sat.:** 11.38, 15.08, 19.38. – **"Turntable Time": Tues.:** 11.42, 15.12, 19.42 (Request Prgr. consisting of Western songs and popular Indonesian tunes). – **"Open Letter to the Listeners":** Every 3rd & 4th Sun. of the month at 11.35, 15.05, 19.35.

INDONESIAN/DUTCH PRGR.:
Indonesian: Mo., Wed., Fri., Sun. 18.00–19.00, Tues., Thurs., Sat. 18.30–19.00.
Dutch: Tues., Thurs., Sat. 18.30–19.00.

ANN.: E.: "This is the Voice of Indonesia broadcasting from Djakarta". **F.:** "Ici Djakarta, la voix de l'Indonésie". **Dutch:** "Dit is Radio Republiek Indonesia in Djakarta".

INT.-SIG.: Some instrumental music in accordance with the genre of the next prgr.

VER. by QSL-card or by letter. Listeners reports are welcomed.

PUBLICATIONS: Weekly: "Pedoman Radio" (home prgr), "Berita Radio" (News on broadcasts in Indonesia). – Monthly: "Voice of Indonesia" (Foreign broadcasts in Indonesian, Hindi, Urdu, Chinese, Arabic, E., F., Dutch); free by request "Saut Indonesia" in Arabic.

MILITARY STATION
ADDR.: Biro Penerangan Angkatan Udara, Medan Merdeka Utara 15, Djakarta. – **HOME SCE. in Ind.:** RAU1 5975 kc/s 50.21 m 7.5 kW. – RAU2 2475 kc/s 121.2 m 0.5 kW.: 09.30–12.30.
ANN.: "Inilah radio Angkatan Udara Republik Indonesia di Djakarta". – **VER.** by letter.

★ JAPAN ★

Local Time: 9 h. ahead of GMT. – **Language:** Japanese.

NIPPON HOSO KYOKAI: (Public Corporation, non commercial) (The Japan Broadcasting Corporation)

ADDR.: 2–2, Uchisaiwai-cho, Chiyoda-ku, Tokyo. – **Cable:** Radionhk **L.P.:** Pres.: Kiyoshi Nagata. Vice-Pres.: Shigeru Komatsu. Man. Dir.: Kei Mizokami (Tec.); Shunsaku Inaba (Prgr.); Yukio Ikeda (Adm.). – Directors: Gen. Affairs Dept.: Shigeyuki Kondo. Finance Dept.: Kentaro Shudo. Radio Dept.: Yoshikazu Kasuga. TV Dept.: Yoshio Yoshikawa. International Broadc. Dept.: Seiki Sakiyama. News Dept.: Yoshinori Mayeda. Radio Culture Research Institute: Teru Yamamoto. Tec. Research Laboratory: Fumio Mikuma. Public Relations: Kameichi Sugimoto. Radiodiffusion Japonaise, Paris: Masataka Okabe. Radio NHK, New York: Morio Tateno.

STATIONS:

Stations	Call	kc/s	kW
Tokyo 1	JOAK	590	50
– 2	JOAB	690	50
Nagano 1	JONK	840	0.5
– 2	JONB	1420	0.5
Niigata 1	JOQK	850	10
– 2	JOQB	1030	10
Kofu 1	JOKG	620	0.5
– 2	JOKC	1420	0.5
Matsumot. 1	JOSG	780	0.5
– 2	JOSC	1490	0.05
Iida 1	JOSQ	840	0.05
– 2	JOSZ	1530	0.05
Ina 1	JOST	1340	0.05
– 2	JOSY	1540	0.05
Komoro 1	JONQ	1040	0.05
– 2	JONZ	1540	0.05
Takata 1	JOQX	1160	0.05
Okaya- 1	JOSU	1160	0.1
Suwa 2	JOSI	1360	0.1
Kiso-Fukushimoma 1	JOSS	1040	0.1
Osaka 1	JOBK	670	50
– 2	JOBB	830	50
Kyoto 1	JOOK	1300	0.5
– 2	JOOB	1490	0.5
Fukuchiya. 1	JOOT	1040	0.05
– 2	JOOS	1360	0.05
Toyooka 1	JOBU	1160	0.05
Hikone 1	JOBS	1340	0.05
Shingu 1	JOBQ	1040	0.05
– 2	JOBY	1360	0.05
Maizuru 1	JOOQ	1340	0.05
– 2	JOOZ	1540	0.05
Nagoya 1	JOCK	730	10
– 2	JOCB	910	10
Kanazawa 1	JOJK	1230	10
– 2	JOJB	1390	10
Shizuoka 1	JOPK	880	3
– 2	JOPB	1080	0.5
Fukui 1	JOFG	600	0.5
– 2	JOFC	1530	0.5
Hama- 1	JODG	670	0.5
matsu 2	JODC	790	0.5
Toyama 1	JOIG	600	0.5
– 2	JOIC	1530	0.5
Takayama 1	JOCQ	620	0.5
– 2	JOCZ	790	0.5
Uyeno 1	JOCT	1160	0.05
Owashi 1	JOCU	1340	0.05
Tsuruga 1	JOFT	1040	0.05
– 2	JOFZ	1420	0 05
1	JOFY	1160	0.05
2	JOFQ	1360	0.05
Toyohashi 1	JOCS	1160	0.1
Nanao 1	JOJU	1340	0.1
Hiroshima 1	JOFK	770	10
– 2	JOFB	1050	10
Okayama 1	JOKK	960	0.5
– 2	JOKB	1440	0.5
Matsue 1	JOTK	1110	10
– 2	JOTB	1330	10
Tottori 1	JOLG	1260	0.5
– 2	JOLC	1490	0.5
Onomichi 1	JODP	1200	0.5
– 2	JODD	1600	0.5
Hofu 1	JOUG	680	1(0.5)
– 2	JOUC	1420	1(0.5)
Hamada 1	JOTY	1040	0.05
– 2	JOTT	1360	0.05
Hagi 1	JOUQ	1200	0.5
– 2	JOUZ	1440	0.5
Masuda 1	JOTU	1340	0.1
– 2	JOTS	1540	0.1
Tsuyama 1	JOKU	1160	0.05
– 2	JOKT	1360	0.05
Shobara 1	JOFS	1160	0.05
– 2	JOFU	1360	0.05
Yonago 1	JOLQ	1200	0.5
Tsuwano 1	JOTI	1160	0.1
Kurayoshi 1	JOLS	1040	0.1
Shimo-noseki 1	JOUI	1160	0.1
Kumamoto 1	JOGK	930	10
– 2	JOGB	1350	10
Fukuoka 1	JOLK	610	10
– 2	JOLB	870	10
Kokura 1	JOSK	540	0.5
– 2	JOSB	720	0.5
Nagasaki 1	JOAG	840	0.5
– 2	JOAC	1530	0.5
Kagoshim. 1	JOHG	980	10
– 2	JOHC	1410	10
Miyazaki 1	JOMG	620	0.5
– 2	JOMC	790	0.5
Oita 1	JOIP	660	0.5
– 2	JOID	1380	0.5
Saga 1	JOSP	780	0.5
– 2	JOSD	1080	0.5
Sasebo 1	JOAT	540	0.1
– 2	JOAY	720	0.1
Hitoyoshi 1	JOGQ	1160	0.05
– 2	JOGY	1360	0.05
Nobeoka 1	JOMT	840	0.5
– 2	JOMX	1420	0.5
Saeki 1	JOIS	1160	0.05
– 2	JOIZ	1440	0.05
Sendai 1	JOHK	890	10
– 2	JOHB	1090	10
Akita 1	JOUK	1290	1
– 2	JOUB	1520	0.5
Yamagata 1	JOJG	540	0.5
– 2	JOJC	1470	0.5
Hirosaki 1	JORG	1320	0.3
– 2	JORC	1600	0.3
Morioka 1	JOQG	650	10
– 2	JOQC	990	10
Fukushim. 1	JOFP	620	0.1
– 2	JOFD	720	0.1
Koriyama 1	JOCP	660	0.5
– 2	JOCD	1380	0.5
Aomori 1	JOTG	700	0.5
– 2	JOTC	790	0.5
Tsuruoka 1	JOJP	1200	0.5
– 2	JOJD	1470	0.5
Kamaishi 1	JOQS	1200	0.05
– 2	JOQZ	1470	0.05
Taira 1	JOHQ	1040	0.05
– 2	JOHZ	1540	0.05
Hachinohe 1	JOTQ	1260	0.5
– 2	JOTZ	1600	0.5
Waka- 1	JOHT	1160	0.05
matsu 2	JOHY	1540	0.05
Odate 1	JOUT	1160	0.05
– 2	JOUV	1360	0.05
Miyako 1	JOQT	1040	0.05
– 2	JOQU	1360	0.05
Yonezawa 1	JOJQ	1040	0.05
– 2	JOJZ	1360	0.05
Yokote 1	JOUS	1160	0.05
– 2	JOUY	1360	0.05
Shinja 1	JOJS	1340	0.05
– 2	JOJT	1540	0.05
Kesennum. 1	JOHS	1160	0.05
Ofunato 1	JOQY	1040	0.05
Sapporo 1	JOIK	570	10
– 2	JOIB	750	10
Hakodate 1	JOVK	600	0.5
– 2	JOVB	1440	0.5
Asahikawa 1	JOCQ	620	0.5
– 2	JOCC	1420	0.5
Obihiro 1	JOOG	960	0.5
– 2	JOOC	1080	0.5
Kushiro 1	JOPG	840	0.1
– 2	JOPC	1490	0.1
Kitami 1	JOKP	1170	10
– 2	JOKD	1370	10
Muroran 1	JOIU	780	0.5
– 2	JOIT	1080	0.5
Rumoe 1	JOIX	1340	0.05
– 2	JOCI	1540	0.05
Wakkanai 1	JOIQ	1300	0.05
– 2	JOIY	1470	0.05
Esashi 1	JOVQ	1040	0.05
– 2	JOVZ	1360	0.05
Nayoro 1	JOCY	780	1

THE
NATIONAL ASSOCIATION
OF COMMERCIAL
BROADCASTERS
IN JAPAN
8-7 NISHI-GINZA CHUO-KU TOKYO · JAPAN

Matsuyam. 1	JOZK	700	0.5
– 2	JOZB	1470	0.5
Kochi 1	JORK	1150	0.5
– 2	JORB	1430	0.5
Tokushim. 1	JOXK	1260	0.5
Takamatsu 1	JOHP	1320	0.5
Uwajima 1	JOZU	1040	0.05
– 2	JOZY	1360	0.05
Niihama 1	JOZQ	1340	0.05
– 2	JOZZ	1540	0.05
Imabari 1	JOZT	1160	0.05
Nakamura 1	JORQ	1320	0.5
– 2	JORY	1600	0.5
Yawa- 1	JOZS	1340	0.05
tahawa 2	JOZI	1540	0.05
Yusuhara 1	JORS	1160	0.1
Johen 1	JOZV	1340	0.05

Number of stations:

	1st Net-work	2nd Net-work	Total
Central Stations	8	8	16
Regional Stations	40	38	78
Rebroadcast. Stations	52	34	86
Total	100	80	180

HOME SERVICE:

1st Network: 20.00–14.30: **National Music:** Tues. 11.30–12.00 (Folksong), Thurs. 13.15–13.45. – **N.:** 10.00–10.30. – **Weatherrep.:** Sun. 09.55, D. 00.05, Sat., Sun. 02.50. – **Prgr. Preview:** W. 22.40, Sat., Sun. 02.50.

2nd Network: 21.00–14.30: **National Music:** Sat. 12.00–13.00. – **Language Lessons: E.:** Mo.–Sat. 09.05–09.15, Mo.–Fri. 09.00–09.15. **Jap.:** Mo.–Fri. 09.30–09.45.

ANN.: Call sign announced in Japanese at the end of each programme. **F.PL.:** 1st & 2nd Network: Tokyo 1 & 2, Osaka 1 & 2, Fukuoka 1 & 2 to be increased to 100 kW, 4 st. to 1 kw and 5 st. to 0.1 kW before the end of 1956. 11 new lowpower st. to operate before 1957.

DOMESTIC RELAYS (on shortwave)
Relay First Network: 20.00–10.00 on JKH 7257.5 kc/s.
Relay Second Network:
21.00–23.15 } on JKI 4910 kc/s 23.25–07.45 – JKI-2 9655 kc/s
07.55–10.00 } 21.00–10.00 – JKJ 7285 kc/s

For Japanese in the Far East:
03.00–04.00 on JOA6 15135 kc/s
10.00–13.00 on JKI4 11800 kc/s

FOREIGN SERVICE

Stations: 50 or 100 kW.

Calll	kc/s	m	Calll	kc/s	m	Calll	kc/s	m
JOA	6069	49.43	JOA3	9695	30.94	JOB9	15225	19.70
JOB	6080	49.34	JOA4	11705	25.63	JOB5	15235	19.69
JOB2	7180	41.78	JOA8	11725	25.58	JOA9	17785	16.87
JOA2	7242	41.42	JOB6	11725	25.58	JOB7	17785	16.87
JOB8	7242	41.42	JOB4	11780	25.47	JOA22	17795	16.86
JOB3	9675	31.01	JOA6	15135	19.82	JOA20	17825	16.83
						JOA21	17845	16.81

		Wi.	Equinox.	Su.	Languages
		metre bands			
23.00–23.30	E. N. Am. I	19, 16	19, 16	19, 16	E.
00.30–01.00	E. N. Am. II	25, 19	19, 16	19, 16	E., Jap.
03.30–04.30	W. N. Am.	25, 19	19, 16	19, 16	E., Jap.
05.30–06.30	Hawaii	19, 16	19, 16	19, 16	E., Jap.
06.45–07.45	Eu.	19, 16	19, 16	19, 16	F., G., E., I., R.
08.00–09.00	Au., N. Z.	19, 16	19, 16	19, 16	E., Jap.
09.15–10.15	S. Am.	31, 25	25, 19	31, 25	Sp., P., Jap.
10.30–11.30	N. China	31, 25	25, 19	25, 19	Chi., R.
11.30–12.30	C. China	31, 25	25, 19	25, 19	Chi., E., Jap.
12.45–13.45	Philipp., Ind.	19, 16	19, 16	19, 16	E., Ind.
14.00–15.00	S. China	25, 19	19, 16	19, 16	Fu., Can., Jap
15.00–16.00	Indo-China, Thailand, Burma	25, 19	19, 16	19, 16	F., E., Chi.
16.15–17.15	India, Pakistan, Ceylon	31, 25	19, 16	19, 16	Hi., Ur., E., Jap.
17.30–18.30	Near East	31, 25	19, 16	19, 16	Arabic, F., E. Jap.

N.: E.: 23.00, 00.30, 03.30, 05.30, 07.15 (Sun. 07.20), 08.00, 12.20, 12.45, 15.20, 16.35, 18.00. – **Jap.:** 00.50, 04.00, 06.00, 08.55, 12.00, 14.50, 17.10, 18.25. – **F.:** 06.45, 15.00, 17.40. – **G.:** 07.05 (Sun. 05.55). – **I.:** 07.05 (Sun. only). – **Sp.:** 09.15. – **P.:** 09.30. – **Arabic.:** 17.30. – **Ind.:** 13.15. – **Can.:** 14.25. – **Fukienese:** 14.00. – **Kuoyu:** 10.30, 11.30. – **Hindi:** 16.15. – **Thai:** 15.45. – **Urdu:** 16.55 (Sun. only).

ANN.: E.: "This is Radio Japan, the overseas broadcasting service of NHK, Japan Broadcasting Corporation in Tokyo. We are broadcasting to..." (Target area). **F.:** "Ici Radio Japan..." (Target area). **G.:** "Hier ist Tokyo, der japanische Rundfunk..." (Target area). **Sp.:** "Aqui Radio Japon...". **P.:** "Estao ouvindo a Radio Japao...". **Ind.:** "Inilah Radio Djepang...".

VER. by QSL-card or letter.

PUBLICATIONS: Yearly NHK Year Book. Quarterly: NHK Technical Research. Weekly: NHK program journal.

Asahi Broadc. Company, Japan: Broadcasting Japanese National Music played on Koto.

VOICE OF UNITED NATIONS COMMAND (V.U.N.C.).

ADDR.: Headquarters U.S. Armed Forces, Psychological Warfare Section, Tokyo.

STATIONS:
VUNC Seoul 560 kc/s 535.7 m 2.5 kW 18.00–22.00; **Pusan** 4780 kc/s 62.96 m 2.5 kW; **JKK Nazaki** 6015 kc/s 49.88 m 20 kW 13.30–21.00; **JBD Nazaki** 9505 kc/s 31.56 m 10 kW 11.00–16.00; **JBD2 Yamata** 9560 kc/s 31.38 m 10 kW 11.00–18.00.

PRIVATE STATIONS (Comm.).

NATIONAL ASSOCIATION OF BROADCASTERS IN JAPAN
ADDR.: Nishi-Ginza Chuo-Ku, Tokyo. – **Cable:** Keubashiz Mimporen. – **L.P.:** Pres.: Tadashi Adachi.

STATIONS:
Medium Waves:

	kc/s	kW	Call.		kc/s	kW	Call.		kc/s	kW	Call.
1)	560	3	JOCR	22)	1000	1	JOWO	43)	1140	3	JOBR
2)	580	1	JODF	23)	1000	1	JOPF	44)	1210	10	JOOR
3)	580	1	JOGF	24)	1010	10	JONR	45)	1220	1	JODR
4)	740	1	JOJF	25)	1060	0.1	JOGO	46)	1220	1	JOUR
5)	740	1	JOLR	26)	1060	0.1	JOEL	47)	1250	10	JOIR
6)	760	1	JOMR	27)	1060	0.1	JOWR	48)	1240	1	JOER
7)	760	5	JOCF	28)	1060	0.1	JODL	49)	1270	10	JOFR
8)	800	0.1	JOSE	29)	1060	0.1	JOSO	50)	1280	1	JOYR
9)	800	0.1	JODE	30)	1060	0.1	JOSW	51)	1310	50	JOLF
10)	800	0.1	JOWE	31)	1060	0.1	JOAO	52)	1400	1	JOVR
11)	800	0.1	JOWW	32)	1060	0.1	JOVO	53)	1400	1	JOMF
12)	860	1	JOPR	33)	1060	0.1	JOHL	54)	1450	10	JOIF
13)	860	1	JOXR	34)	1060	0.1	JOMO	55)	1460	1	JOHW
14)	860	1	JOHE	35)	1060	0.1	JOFO	56)	1460	1	JOOF
15)	900	1	JOHO	36)	1070	10	JOAR	57)	1480	1	JONF
16)	900	1	JOHF	37)	1100	1	JOBF	58)	1500	1	JOKF
17)	920	1	JOZR	38)	1100	1	JOSR	59)	1560	0.1	JODO
18)	920	1	JOEF	39)	1120	1	JOAF	60)	1560	0.1	JOAE
19)	940	1	JOTR	40)	1120	1	JOGR	61)	1560	0.1	JOXO
20)	940	1	JOJR	41)	1130	50	JOQR	62)	1560	0.1	JOKL
21)	950	50	JOKR	42)	1190	10	JOHR				

Short Waves:

63)	JOZ	3925 kc/s	76.43 m	10 kW
63)	JOZ2	6055 –	49.55 –	10 –
63)	JOZ3	9595 –	31.27 –	10 –

ADDRESSES etc:

1) **Kobe Broadc. Co. Ltd.,** Kobe. – 2) **Iwate Broadc. Co., Ltd.** Morioka. 3) **R. OITA BROADCASTING CO.,** Takamatsu, Oita. – **L.P.:** Pres.: T. Nagano. Dir. Gen.: K. Otsu. Mgr.: S. Kato. Dir. Prgr.: T. Fukunaga. Dir. Adm.: S. Takaki. Chief Eng.: S. Onishi. Dir. Pres. & Inf.: M. Itai. – **Home Service:** 20.30–15.00.
4) **R. Yamanashi Broadc. Co. Ltd.,** Kofu. – 5) **Kita-Nippon Broadc. Co. Ltd.,** Toyama. – 6) **Hokuriku Broadc. Co.** Ltd., Kanazawa. – 7) **R. Minami-Nippon Broadc. Co.** Ltd., Kagoshima. – 8) **Shin-Etsu Broadc. Co.,** Ltd., Okaya. – 9) **R. Niigata Broadc. Co** Ltd., Nagaoka. 10) **R. Fukushima Broadc. Co.** Ltd., Wakamatsu. – 11) **R. Fukushima Broadc. Co.** Ltd., Taire.
12) **FUKUI BROADC. Co.** Ltd., 41 Makinoshima Machi, Fukui City. – **L.P.:** Pres.: S. Kato. Dir. Gen.: K. Zwai. Mgr.: S. Yamasaki. Dir. Prgr.: S. Yamatani. Adm.: S. Ikeda. Chief Eng.: S. Sugimoto. – **Home Sce.:** 20.00–15.00. – **VER.** by QSL-card. – **F.PL.:** Television 13) **R. Mie Broadc. Co.** Ltd., Tsu. – 14) **Hokkaido Broadc. Co.** Ltd., Asahikawa. – 15) Hokkaido Broadc. Co. Ltd. – Hakodate. 16) **R. San-In Broadc. Co., Ltd.,** Yonago. – 17) **R. Kochi Broadc. Co.** Ltd., Kochi. – 18) **Yamagata Broadc. Co.** Ltd., Yamagata. – 19) **R. Tohoku Broadc. Co.** Ltd., Akita. – 20) **Shikoku Broadc. Co.** Ltd., Tokushima.

Japan Asahi Broadcasting Company

21) **RADIO TOKYO Inc. (Comm.).** – **ADDR.:** 1-2-1 Yuraku-cho, Chiyoda-ku, Tokyo. **Cable: "Jokr Tokyo".** – **L.P.:** Pres.: T. Adachi. Dir. Gen.: K. Shikakura. Dir. Prgr.: J. Imamichi. Dir. Press. and Inform.: Y. Mitsuda. Dir. Adm.: T. Morimoto.
HOME SERVICE: 20.00–16.00.
JOKR 950 kc/s 316 m 50 kW
Jap.: 20.00–15.00. – **E.:** 15.00–16.00 (15.00 N.).
National Music: 09.15, 13.30. – **N.:** Every h. on the h. from 20.00 till 15.00 exc. 11.00. – **Mailbag:** D. 20.15–20.25.
Weatherrep.: 21.10, 03.10, 12.05, 14.00, 15.00. – **English:** D. 15.00–16.00. – Last Sat. of each month "Telephon Request" until 17.00.
ANN.: Jap.: "Kochira-wa Radio Tokyo desu, JOKR". E.: "This is Radio Tokyo, JOKR". – **INT.-SIG.:** 19.55, 16.00 light melodies composed by a famous Japanese composer Kosaku Jamada. – **VER.** by QSL-card. – **PUBLICATION:** R. Tokyo Magazine. – **VER.** by QSL-card.
22) **R. Fukushima Broadc. Co. Ltd.,** Koriyama. – 23) **R. Yamaguchi Broadc. Co. Ltd.,** Tokuyama. –
24) **ASAHI BROADCASTING COMPANY (Comm): ADDR.:** Asahi Building, Nakanoshima, Kitaku, Osaka. – **Branch Office:** Asahi Building, Ginza-nishi, Chuo-ku, Tokyo. – **L. P.:** Manji Iijima. Man. Dir.: Tsunejiro Hirai. Ex. Dir. and Sales Dir.: Taisuke Tateishi. Dir. Prgr.: Riichi Tanaka. Dir. Tec.: Kankichi Kusama. Mgr. Tokyo Office: Minao Yoshida.
HOME SERVICE: 20.20–15.30.
ABC Asahi HOSO 1010 kc/s 297 m 10 kW.
National Music: Mo. 07.00–07.30. Fri. 09.20–09.30. – **N.:** Every 50 mins. exc. 10.50, 12.50, 14.50 (Time-Sig.). – **Language Lessons in English:** 14.30–15.00. – **Mailbag:** 06.45–06.50. – **Time Sig.:** 523 cycles tone every h. on the h. after 10 seconds music signal. played on celesta. – **Weatherrep.:** After every N. and 02.45, 07.45. – **Prgr.: Preview:** 20.30–20.40.
ANN.: "ABC Asahi HOSO JONR". – **VER.** by QSL-card. Listeners report wanted. – **F. PL.:** Increase power to 50 kW. Two FM-st. (Tokyo, Osaka). Three relay st. (Wakayama, Tanabe, Shingu).
25) **R. Aomori Broadc. Co. Ltd.,** Hachinohe. – 26) **Yamagata Broadc. Co. Ltd.,** Tsuruoka. – 27) **R. Fukushima Broadc. Co. Ltd.,** Fukushima. – 28) **Iwate Broadc. Co. Ltd.,** Maesawa. – 29) **Shin-Etsu Broadc. Co. Ltd.,** Matsumoto. – 30) **Shin-Etsu Broadc. Co. Ltd.,** – 31) **Chubu Nippon Broadc. Co. Ltd.,** Takayama. – 32) **Shizuoka Broadc. Co. Ltd.,** Hamamatsu. – 33) **R. San-In Broadc. Co. Ltd.,** Tottori. – 34) **Hokuriku Broadc. Co. Ltd.,** Nanao. – 35) **R. Kyushu Broadc. Co. Ltd.,** Kokura.
36) **CHUBU NIPPON BROADC. CO. Ltd.,** DC1 Nr. 15, 4-chome, Shinsakae-Machi, Naka-ku, Nagoya. – **L.P.:** Pres.: Kureo Sasabe. Vice-Pres.: Yoshio Sato. Dir. Gen.: Gensaku Kojima. Adm.: Rokuro Niiyama. Chief-Eng.: Keiji Morihara. – **D.Prgr.:** 21.00–14.00. **N:.** On the h. of the h. exc. 01.00, 11.00, 12.00. – **Weatherrep.:** 21.00, 22.05, 24.00, 02.50, 08.05, 14.10. – **INT.-SIG.:** Song of a bird. – **VER.** by QSL-card. Postage required.
37) **R. Kumamoto Broadc. Co. Ltd.,** Kumamoto. – 38) **Shin-Etsu Broadc. Co. Ltd.,** Nagano. – 39) **Nankai Broadc. Co. Ltd.,** Matsuyama. – 40) **R. Aomori Broadc. Co. Ltd.,** Aomori. – 41) **Nippon Cultural Broadc. Co. Ltd.,** Tokyo. – 42) **Hokkaido Broadc. Co. Ltd.,** Sapporo. – 43) **Kyoto Broadc. Co. Ltd.,** Kyoto.
44) **NEW JAPAN BROADCASTING CO. LTD. (Comm.)** – **ADDR.:** Mainichi Osaka Kaikan, Dojima, Osaka. **Cable:** "Umedanjb". – **L.P.:** Pres.: M. Sugi. Executive Dir.: S. Takahashi. Mgr.: M. Goto, K. Okita. Prgr. Mgr.: R. Kawaguchi. Prod. Mgr.: T. Nishio. Sales Mgr.: T. Seki. Chief Eng.: H. Sunaga, Head of Tokyo Office: H. Ikeda. – **HOME SERVICE** in Japanese: JOOR 1210 kc/s 248 m 10 kW 20.30–15.30. – **N.:** Every h. on the h. exc. 10.00, 11.00, 12.00. – **Weatherrep.:** After news. – **Time Sig.:** Every h. on the h. – **Jap. Music:** Sun. 14.35–15.00, Mo. 13.25–13.30. Sat. 09.15–09.30. – ***Language Lessons in F:*** Sat. 14.40–15.10. – **VER.** by QSL-card. – **F.PL.:** Increase of power to 50 kW. 5 relay st. Television.
45) **R. Niigata Broadc. Co. Ltd.,** Niigata. – 46) **Nagasaki Broadc. Co. Ltd.,** Nagasaki. – 47) **Tohoku Broadc. Co. Ltd.,** Sendai. – 48) **R. Chugoku Broadc. Co. Ltd.,** Hiroshima. – 49) **R. Kyushu Broadc. Co. Ltd.,** Fukuoka. – 50) **Sanyo Broadc. Co. Ltd.,** Okayama. – 51) **Nippon Broadc. System Inc.,** Tokyo. – 52) **Shizuoka Broadc. Co. Ltd.,** Shizuoka. – 53) **Nagasaki Broadc. Co. Ltd.,** Saseho. – 54) **Kyushu Asahi Broadc. Co. Ltd.,** Fukuoka. – 55) **Hokkaido Broadc. Co. Ltd.,** Fukuoka. – 55) **Hokkaido Broadc. Co. Ltd.,** Obihiro. – 56) **Gifu Broadc. Co. Ltd.,** Gifu. – 57) **R. Miyazaki Broadc. Co. Ltd.,** Miyazaki. – 58) **R. Kagawa Broadc. Co. Ltd.,** Takamatsu. – 59) **R. Niigata Broadc. Co. Ltd.,** Naoetsu. – 60) **Chubu Nippon Broadc. Co. Ltd.,** Toyohashi. – 61) **R. Mie Broadc. Co. Ltd.,** Ueno. – 62) **R. Kagawa Broadc. Co. Ltd.,** Kannonji.
63) **THE NIHON SHORT-WAVE BROADCASTING COMPANY** (Pr. Comm.) – Japanese Short Wave Broadcasting Co. – **ADDR.:** c/o The Kikai Boeki Kaikan No. 3, 7-chome, Akasaka-Tamachi, Minato-ku, Tokyo. – **L.P.:** Pres.: S. Odajima. Adm.: Z. Takano. Dir. of Business: S. Ando. Dir. Prgr.: S. Izawa. Chief Eng.: T. Kawahara. Dx-time Editor: Y. Kobayashi.

HOME SERVICE:

JOZ	3925 kc/s	76.43 m	10 kW	21.00–15.15
JOZ2	6055 –	49.56 –	10 –	21.00–15.15
JOZ3	9595 –	31.3 –	10 –	23.00–10.00

In JAP.: N.: 22.30, 23.30, 05.30, 08.30, 13.55. – **In E.:** N.: 14.05. – **Language Lesson Ru.:** D. 21.00, E.: D. 21.30 (repeat for beginners 09.00–09.30). ***E. Lesson for High School Student:*** Sat.: 04.00–05.00, 05.00–06.00, 06.00–07.00. **Time Sig.:** Every h. – **Weatherrep.:** D.: 07.00, 13.20. – **DX-Prgr. in Japanese:** Fri. 12.30–12.45.
In E.: D. 14.00–14.50 **Feature Hour** for Foreigners in Japan. (N., Jap. Music, Interval Sig., Textile Market Report).

ANN.: Jap.: "Nihon Tanpa Hoso desu NSB." – E.: "This is NSB the Nihon Short Wave Broadcasting Company operates the stations of JOZ 3925 kc/s, JOZ2 6055 kc/s and JOZ3 9595 kc/s." – **INT.-SIG.:** Slow tempo chime music with Japanese musical instrument "Koto". – **VER.** by QSL-card. – **PUBLICATION:** The Tanpa-Techo (monthly).

LISTEN
to
ABC
Japan's Voice of Time
朝日放送
(ASA HI HO SO)
ASAHI BROADCASTING COMPANY
Head Office: Nakanoshima, Kitaku, Osaka.
Branch Office: Ginzanishi, Chuoku, Tokyo.
1010KC — 10KW — JONR (Call)

ALLIED STATIONS

FAR EAST NETWORK (USA AFRTS, Army).
The network serves the members of the United States and United Nations Forces serving in the Far East.
ADDR.: 8213th Army Unit APO 613 c/o PM. S. Francisco, Calif. – **L.P.:** Chief, FEN: Lt. Col. John N. Boruholdt, Sig. C, USA Army. Dir. Prgr. FEN and St. Mgr. FEN Tokyo: Buey. Chief Eng.: John Olsen.
The stations of the FEN in Japan and Okinawa broadcast by authority of the Commander in Chief, Far East, and are linked by land line or sw. radio; sw. also links FEN with AFKN.

HOME SERVICE in E.: 21.00–15.05 (on 810 kc/s to 16.00).
Medium Waves:

	kc/s	kW		kc/s	kW
Tokyo	810	10	Kyushu	1550	0.25
Nagoya	1270	10	Nara*)	1560	0.1
Sendai	1450	10	Hokkaido	1570	0.25
Kobe*)	1530	1	Kokura*)	1570	0.25
Otsu*)	1540	0.1	Miho	1580	0.1
Sasebo*)	1540	0.25	Crawford*)	1590	0.25
Misawa*)	1550	0.1	Iwakuni	1590	1
Niigata*)	1550	0.25			

*)relay stations.

Short Waves (relay Tokyo):
3800 kc/s 78.95 m 0.25 kW
6160 – 48.70 – 10 – 10.00–15.05[1])
11750 – 25.53 – 10 – 21.00–09.45[2])
15257 – 19.66 – 10 – 21.00–09.45[3])
[1]) Nighttime only. [2]) Daytime only. [3]) Daytime during summer.
N.: 21.30, 22.00, 01.00, 03.30, 04.00*), 06.00, 09.00, 12.00, 14.00, 15.00
*) For AFKN only (on s.w.). – **Conference Period (s.w. only):** W.: 02.30, 06.05.

ANN.: Except for half hour and on the hour, identification is "Far East Network, serving American Forces in Japan and Okinawa". Other times is local station identification i. e. "FEN-Tokyo", Nagyoa, Sendai etc.... Shortwave transmitters are identified in E. with frequency. – **VER.** Reports are desired and welcomed, and reports are verified without request for return postage.

★ KASHMIR ★

Local Time: 5½ h. ahead of GMT. – **Languages:** English, Indian/Pakistani languages.

RADIO KASHMIR (Govt.).

HOME SERVICE (mostly relays from All India Radio).

SRINAGAR A: 1490 kc/s 201.3 m 0.25 kW.

In English, Kashmiri & Urdu: 02.00–04.00, 07.30–08.00, 12.30–17.30. **N. in English:** 02.30, 15.30.

SRINAGAR B: (relay Srinagar A exc. 12.30–12.45 & 14.30–15.00).

6110 kc/s 49.10 m 1 kW – 9660 kc/s 31.06 m 1 kW

02.00–04.00 on 6110 kc/s – 07.30 (Sun., Thurs. 07.00)–08.30 on 9660 kc/s. – 12.30–17.30 on 6110 kc/s.

JAMMU: 989 kc/s 303.3 m 0.25 kW.

In English, Dogri, Urdu, Hindi & Punjabi: 01.30–03.30 (Sun. 04.30), 12.30–17.30. – **N. in English:** 02.30, 15.30.

★ KOREA (North) ★

Local Time: 8½ h. ahead of GMT. – **Language:** Korean.

RADIO PYONGYANG (Govt.).

ADDR.: Radio Pyongyang, Pyongyang.

STATIONS: Pyongyang.

785 kc/s 382 m – 1075 kc/s 279 m
820 – 366 – – 6250 – 48.00 –

HOME SERVICE: D.: 22.00–22.30, 09.00–09.30, 11.30–12.00 relay R. Moscow's Far Eastern Service in Korean. – **FOREIGN SERVICE: Japanese:** 22.30–23.00, 13.30–14.00 on 820/6250 kc/s. – **VER.** by letter.

★ KOREA (South) ★

Local Time: 8.30 h. ahead of GMT. (Su. 09.30 h.). – Korean, English, Japan, Chinese.

THE KOREAN BROADCASTING SYSTEM (Govt.)

ADDR.: Bureau of Radio Broadcast (BRB), Public Information Office, Seoul. – **L. P.:** Dir. Publ. Inf.: Hong Kee Karl. Chief of BRB: Kyu Il Rhee. Chief Eng.: In Kwan Rhee, Chief Engineering Section: Sae Yun Whang.

STATIONS:

Short Waves:

Call	kc/s	m	kW	m.w.	Call	kc/s	m	kW	m.w.
1) HLKA	2510	119.5	10	970	2) HLKA	9640	31.12	100	710
2) HLKA	5980	50.17	100	710	2) HLKA	11925	25.16	100	710
2) HLKA	7180	41.78	100	710	2) HLKA	15410	19.47	100	710
1) HLKA	7935	37.81	1	970					

Medium Waves:

Call	kc/s	kW	Call	kc/s	kW
3) HLKF	570	0.5	10) HLKB	800	10
4) HLKG	630	10	11) HLKY	840	10
5) HLKQ	640	0.5	12) HLKI	880	10
6) HLKN	650	0.5	1) HLKA	970	100**
2) HLKA	710	100*	13) HLKL	1030	0.5
7) HLKR	740	0.5	14) HLKS	1080	0.5
8) HLKO	760	0.05	15) HLKM	1430	0.35
9) HLKH	780	0.5			

* s.w.: 5980, 7180, 9640, 11925, 15410. ** s.w. 2510, 7935.

ADDRESSES: 1) Central Radio Station HLKA, Jung Dong, Sudaemoon-ku, Seoul. – 2) Central Radio Station HLKA, 154 In-Gei Dong City of Suwon. – 3) No. 8–86 Namjeungdong, Iri. – 4) 1. 169–3 str. Taepyungro, Taegu, – 5) No. 4–73, 2 str. Nammoonro, Chongju. – 6) 1 Honamdong, Mokpo. – 7) No. 5–62 Yong Kangdong, Kangneung. – 8) No. 6–311 Wanwuldong, Masan. – 9) 177 Syadong, Kwangju. – 10) 7–1 str., Dae Chungdong, Pusan. – 11) Christian Bldg. 2 str. Chong-ro, Seoul. – 12) No. 2–14 Mount Mokdong, Taejon. – 13) 305 Dongchungdong, Namwon Eup, Namwonkung. – 14) Broadcasting Station HLKS, Cheju. – 15) 5–1 str., Daewhadong, Chunchon. –

D. PRGR.: In Korean: D.: 20.00–23.30, 02.00–05.30, 07.30–14.30. – **Korean Folk Songs:** Mo., Thurs.: 10.45–11.00. – **Religious:** Sun. 21.00–21.15. – **Request Prgr.:** Sun., Sat.: 10.30–11.00, Fri. 11.00–11.30. – **N.:** 20.30, 22.30, 02.30, 07 30, 09.20, 11.30. – **Weatherrep.:** 22.00–12.15. – **Time Sig.:** Each hour in Korean Standard Time. – **Language Lessons in English: W.:** 21.00–21.15, 12.45–13.00. – **In Japanese:** Voice of Free Korea* D. 12.30–12.45.

In English: Voice of Free Korea*: W. 09.30–09.45. – **Voice of America: D.** 21.30–22.00. – **Voice of United Nations Command (relay): D.** 13.00–14.00. – **In Chinese: Chinese Hour*:** 14.00–14.15.

* For listeners abroad.

INT.-SIG.: Home Service: "A-Ri-Rang". – **Foreign Service:** "Tah-Ryong".

ANN.: Home Service: "Yo-gi Nun Jayoo E Soli Dai Han Min Look Bang Song Kook Im nee da". – **Foreign Service:** "This is K. B. S. The Korean Broadcasting System" – **VER.** by QSL-card, letter and photos. – **F. PL.:** 2 st. 5 kW and 2 2 kW. New commercial st. (religious) 20 kW.

CHRISTIAN BROADCASTING STATION - HLKY (Religious - Noncommercial).

ADDR.: Christian Building, 2 str., Chong-ro, Seoul. – **L.P.:** Pres.: Rev. Otto De Camp. Dir. of Prgr.: Don Payne. Dir. of Administration: Jae bok Kim. Chief Engineer: Kyu Sub Jung.

HOME SERVICE in Korean and English:

HLKY 840 kc/s 357 m 10 kW 21.30–23.30 (Sun., Sat. 01.30), 12.10–14.30.

F.M. 104 mc/s 0.25 kW.

Korean: 21.30–23.30, 10.00–14.30. – **English:** Sat. 23.30 to Sun. 01.30 & Sun. 12.30.

ANN.: **E.:** "HLKY, The Christian Broadcasting Station, Seoul, Korea".– **Korean:** "Ki tokkey bang song kuk, seoul korea, HLKY" – **VER.** by QSL-card.

AMERICAN FORCES Korean Network

ADDR.: Headquarters, AFKN, 8214th Army Unit, APO 301, S. Francisco, USA.

STATIONS: Medium Waves:

kc/s	m	kW	Call	Address	Location
1060	283.0	0.25	"Comet"	APO 970	Osan-Ni
1120	267.9	1	"Nomad"	APO 358	Majon-Ni
560	535.0	5	"Vagabond"	APO 72	Seoul
1250	240.0	1	"Homesteader"	APO 59	Puzan
1320	227.3	1	"Troubadour"	APO 8	Kwandae-Ri
1440	208.3	0 25	"Mercury"	APO 64	Kunsan
1400	214.3	1	"Gypsy"	APO 264	Kumaree
1460	205.5	0 25	"Meteor"	Box 15, FPO	Pohang
1510	198.7	1	"Kilroy"	APO 234	Taegu

Short Wave: "Homesteader", Seoul: 6895 kc/s 43.52 m 0.25 kW. Forces Korean: **D. Prgr.:** English: 21.30–17.30 relay.

ANN.: "This is the AFKN, American Forces Korean Network." – **VER.** by letter.

★ MACAU ★

Local Time: 8 h. ahead of GMT (Su. 9 h.). – **Languages:** Portuguese, Chinese, English.

EMISSORA VILA VERDE (Pr.-Comm.).

ADDR.: Emissora Vila Verde, Macau. – **Cable:** Vila.

L.P.: Dir.: Dr. Pedro H. Lobo. Dir. Prgr.: Antonio Hyndman. Chief-Eng.: J. J. Alvares.

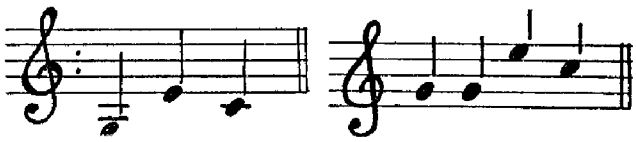
HOME SERVICE:

CR9XL 1005 kc/s 298.5 m 3 kW: 23.00–16.00 (P., E., Chi.).

CR9XM 1200 kc/s 250 m 0.25 kW: 05.00–06.30, 12.00–14.00 in P.

ANN.: **Home Service: English:** "You are listening to Radio Vila Verde-Macau". **Portuguese:** "Dagni Emissora Vila Verde Maçau, estaçao...".

INT. SIG:



VER. by QSL-card.

★ MALAYA ★

Local Time: 7½ h. ahead of GMT. – **Languages:** English, Malay, Indian, Chinese.

BBC Far Eastern Station: see Gr. Britain.

RADIO MALAYA (Govt.)

ADDR.: Depart. of Broadcasting: P.O. Box No. 3002, Singapore. **Cable:** Broadcast. Department of Broadcasting, P. O. Box 233, Kuala-Lumpur. – **L.P.:** Dir.: H. W. Jackson.

HOME SERVICE:

Abbreviations: S=Singapore; KL=Kuala Lumpur; P=Penang; M=Malacca;

BLUE NETWORK: E., Malay.

Singapore	ZHL	630	476.0	10
–	ZHL10	4820	62.24	5
Kuala Lumpur	VS2K2	875	343.0	10
– –	VS2K6	6025	49.79	5
Penang	VS2F1	820	366.0	10
Malacca	VS2A	1010	297.0	0.25

E. from S.: Mo.-Fri. 23.45–01.00, 05.30–06.30, 09.30–15.30; Sat. 23.45–01.30, 05.30–15.30; Sun. 23.45–04.30, 05.30–15.30.

E. from KL &P: Mo.-Fri. 05.30–06.30, 10.30–15.30; Sat. 05.30–09.30, 10.30–15.30; Sun. 01.30–04.30, 05.30–09.00, 10.30–15.30.

E. from M: D. 05.30–06.30 (Sun. 09.30), 11.15–12.00, 13.30–14.30.

Malay from S: D. 23.00–23.45, 04.30–05.30.

Malay from KL & P: Sun.-Thurs. 04.30–05.30, 09.00–10.30, Fri. 02.15–05.30, 06.30–10.30. Sat. 04.00–05.30, 09.30–10.30.

Malay from M: D. 04.30–05.30.
RED NETWORK: E., Chi., Malay, Tamil.

Name	Calll.	kc/s	m	kW
Singapore	ZHL2	790	380	10
–	ZHL10	4820	62.24	5
–	ZHP	6135	48.90	7.5
K. Lumpur	VS2K2	695	432.0	10
–	VS2K6	6025	49.79	5
Penang	VS2F	660	455.0	10
Malacca	VS2A	1010	297.0	0.25

E. from S.: W. 14.30–14.45. Sun. 07.30–09.30, 14.30–14.52.
Chi. from S.: D.: 23.45–01.30, 05.15–06.30.
Chi. from KL & P: W.: 05.15–06.30 (Sat. 07.30), 09.30–10.30, 13.30–15.30. Sun.: 01.30–02.30, 05.15–07.30, 09.30–10.30, 13.30–15.30.
Chi. from M: Mo.–Fri. 14.30–15.30, Sat. 06.30–07.30, 14.30–15.30. Sun.: 01.30–02.30, 14.30–15.30.
Malay from S: Mo.–Fri. 12.00–14.30; Sat. 07.30–08.30, 12.00–14.30. Sun.: 03.30–04.30, 12.00–14.30.
Malay from KL & P: Mo.–Fri. 12.00–13.30; Sat.: 07.30–08.30, 12.00–13.30. Sun.: 03.30–04.30, 07.30–08.30, 12.00–13.30.
Malay from M: W.: as KL & P. Sun.: 03.30–04.30, 12.00–13.30.
Tamil from S: W.: 23.00–23.45, 04.30–05.15, 09.00 (Sat. 08.30)–12.00. Sun.: 23.00–23.45, 01.30–03.30, 04.30–05.15, 10.30–12.00.
Tamil from KL & P: W.: 04.30–05.15, 10.30–12.00 (Sat. also 08.30–09.30). Sun.: 02.30–03.30, 04.30–05.15, 08.30–09.30, 10.30–12.00.
Tamil from M: W. 09.30 (Sat. 08.30)–11.15. Sun.: 02.30–03.30, 09.30–11.15.
GREEN NETWORK: Chi.

	Calll.	kc/s	m	kW	
Singapore	ZHL5	990	303.0	10	01.30–02.30 (Sun. 05.15),
–	ZHL7	4780	62.76	5	09.30 (Sat., Sun. 06.30)–15.30

ANN.: In E., Malay, Chinese, Tamil: "This is the (Blue, Red or Green) network". – **INT.-SIG.:** C-C-A-G on a Hawaiian Guitar. – **VER.** by QSL-card.

FORCES BROADCASTING SERVICE (British Military)
ADDR.: GHQ FARELF, c/o G.P.O. Singapore. – **D. Prgr.** in Kiswahili, Chinyanja, Fijian, Gurkhali & Dayak: 12.00–14.00 (Fri. 14.15). Listeners report the frequency to be 5010 kc/s.

★ NEPAL ★

Local Time: $5^2/_3$ h. ahead of GMT. – **Languages:** Nepali, Newari, Hindi, English.

RADIO NEPAL (Govt.). ADDR.: Kathmandu. (Via India).
L.P.: Dir. D. Raj. Superintending Eng.: K. B. Khatry.
HOME SERVICE:
1500 kc/s 200.0 m 0.25 kW 12.20–13.50
7100 – 42.25 – 5 – 03.20–04.50, 07.50–09.20.
N. in Newari: 03.35–03.40. – **N. in Nepali:** 03.40–03.50, 08.20–08.30, 12.50–13.00. – **N. in English:** 04.35–04.40, 13.00–13.05. – **N. in Hindi:** 04.40–04.50, 09.10–09.20. – **Time Signal:** 03.20.
ANN.: E.: "This is Radio Nepal." Nepali: "Yo Radio Nepal Ho." – **VER.** by letter. Return postage required.

★ PAKISTAN ★

Local Time: W. Pakistan: 5 h. ahead of GMT. – **E. Pakistan:** 6 h. ahead of GMT.

RADIO PAKISTAN (Govt.).
ADDR.: Directorate General 71, Garden Road, Karachi. – **Cable:** "Pakbroadcast", Karachi. – **L.P.:** Dir. Gen.: Z. A. Bokhari. Dep. Gen., Prgr.: Rashid Ahmed. Dep. Dir. Gen. Adm.: A. Salman. Chief-Eng.: Bashir Ahmed. Dep. Chief-Eng.: S. A. Aziz. Dir. Music: S. S. Niazi. Dir. Prgr. Planning: Asnain Qutb. Dir. Liaison: M. Iqbal. Adm. Officer: K. A. Mukhtar. **Subordinate Offices:** Dir. N., Karachi: A. G. Eirabie. Dir. External Services, Karachi: S. A. Hafeez. Reg. Dir. R. P., Karachi: G. K. Farid. Reg. Dir. R. P., Lahore: Mohmud Nizami. Reg. Dir. R. P., Rawalpindi: A. Bashir Ahmed. Reg. Dir. R. P., Peshawar: Zafar Husain. Reg. Dir. R. P., Hyderabad: Hameed Naseem. Reg. Dir. R. P., Dacca: Ansar Nasri. Reg. Dir. R. P., Quetta: K. G. Ali. Dir. Monitoring, Karachi: Sh. Ihsanul Haq. Resident Eng. H. P. T., Karachi: M. A. Rehman. Installation Eng., Karachi: A. G. Baig. Maintenance Eng., Karachi: Sadiq Shah.
STATIONS:
Medium Waves:

	kc/s	m	kW		kc/s	m	kW
Peshawar APP	790	380	10	Rawalpindi APR	1150	261	10
Karachi I APK	830	361.4	10	Dacca I APD	1170	256	5
Chittagong	870	345	1	Rajshahi	1340	224	1
Hyderabad APH	1010	297	1	Quetta APQ.	1450	207	1*
Lahore I APL	1090	275	5				* Exp.

Short Waves: Karachi APK.
Karachi I/III = 50 kW; Karachi IV/V = 10 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
2420	124.0	7010	42.80	9740	30.80	15255	19.67
3335	89.96	7096.6	42.27	9755	30.75	15285	19.63
3395	88.37	7110	42.19	11570	25.93	15335	19.56
3915	76.63	7200	41.67	11580	25.91	15620	19.21
3955	75.85	7225	41.52	11650	25.75	17710	16.94
4807	62.41	7263	41.31	11674	25.70	17715	16.93
4895	61.29	7280	41.21	11725	25.58	17740	16.91
4910	61.10	9484	31.63	11770	25.49	17750	16.90
4935	60.79	9495	31.60	11810	25.40	17770	16.88
5980	50.17	9518	31.52	11845	25.33	17835	16.82
5990	50.08	9545	31.43	11885	25.24	21590	13.90
6035	49.71	9614	31.20	11914	25.18	21630	13.87
6070	49.42	9630	31.15	15135	19.83	21690	13.83
6220	48.23	9645	31.10	15160	19.79		
6235	48.12	9705	30.91	15205	19.73		

Dacca: APD 7.5 kW (Home Service):

kc/s	m	kc/s	m	kc/s	m	kc/s	m
2350	127.7	5980	50.17	7225	41.51	11725	25.58
3325	90.23	6112	49.06	7623	39.29	11885	25.24
3955	75.85	6120	49.02	7655	39.19	11890	25.23
3965	75.66	7085	42.34	7667.5	39.13	15270	19.65
4807	62.41	7140	42.02	9614	31.20	15335	19.56
5035	59.58	7150	41.96	9645	31.10	17835	16.82

Lahore: APL 1 kW (Home Service):

kc/s	m	kc/s	m	kc/s	m	kc/s	m
2400	125.0	4807	62.41	6138	48.88	9645	31.10
3335	89.96	6030	49.75	7225	41.52	11800	25.42
3395	88.37	6075	49.38	7284	41.19	11840	25.34
3915	76.63						

All frequencies subject to seasonal changes.

HOME SERVICE

MEDIUM WAVE PRGR.:
Karachi: 830 kc/s: **In Arabic, English, Urdu, Sindhi:**
W.: 01.30–03.00, 06.30–09.00, 12.00–17.30. Sun.: 01.30–09.00, 12.00–17.30.
Lahore: 1090 kc/s: **In Arabic, English, Urdu, Punjabi:**
W.: 01.30–03.30, 06.30–08.30, 12.00–17.30. Sun.: 01.30–05.00, 06.30–13.30, 12.00–17.30.
Peshawar: 790 kc/s: **In Arabic, English, Urdu, Pushto:**
W.: 01.30–03.00, 07.00–08.30, 11.30–17.00. Sun.: 01.30–05.00, 07.00–08.30, 11.30–17.00.
Rawalpindi: 1150 kc/s: **In Arabic, English, Urdu, Pothohari:**
W.: 01.30–03.00, 07.00–08.30, 11.30–17.00. Sun.: 01.30–05.00, 07.00–08.30, 11.30–17.00.
Dacca: 1170 kc/s: **In Arabic, English, Urdu, Bengali:**
W.: 01.00–03.00, 06.00–07.30, 11.00–16.30. Sun.: 01.00–03.00, 06.00–07.30, 11.00–16.30. (Third transmission is relayed by Rajshahi & Chittagong).
Hyderabad: 1010 kc/s: **D.** 12.00–17.00.
Abbreviations: (K = Karachi, L = Lahore, P = Peshawar, R = Rawalpindi, D = Dacca, H = Hyderabad).
National Music is broadcast daily from each Station of Radio Pakistan on the chunks other than those reserved for fixed point items, spoken word items and news.

N. in English:
02.30–02.45 K, L, P, R, D 13.20–13.25 Local K
08.00–08.10 K, L, P, R 12.25–12.30 Local L
12.00–12.10 K, H, L, R, D 12.20–12.25 Local R
14.45–15.00 K, H, L, R, P, D
N. in Urdu:
02.45–03.00 K, L, P, R, D 12.20–12.25 Local L
08.10–08.20 K, L, P, R 13.45–13.55 Local P
12.10–12.20 K, H, L, P, R, D 12.25–12.30 Local R
15.00–15.15 K, H, L, P, R, D 12.55–13.00 Local D
13·15–13.20 Local K
N. in Bengali:
01.45–02.00 K, D 13.45–14.00 K, D
06.40–06.50 K, D 12.50–12.55 Local D
N. in Pushto:
03.00–03.10 K 07.50–08.00 K 12.20–12.30 K 13.30–13.40 Local
N. in Kashmiri[1]), Sindhi[2]), Baluchi[3]):
[1]) 12.35–12.45 APK-1, APK-2 – [2]) 12.30–12.40 K, H – [3]) 12.30–12.40 K
Language Lessons: Lessons in Urdu from Dacca on Mo. and Wed. at 02.45–02.55.

Mailbag:
Sun. 04.45–05.00 (K) Urdu Sun. 13.45–14.00 (R) Urdu
Sun. 06.50–07.00 (L) Urdu Wed. 13.15–13.30 (D) Bengali
Thurs. 15.15–15.30 (P) Urdu Fri. 13.00–13.15 (H) Sindhi
Fri. 13.00–13.15 (P) Pushto Wed. 13.45–14.00 (H) Urdu
Time-Sig. on m.w. and s.w. from Karachi: 02.00, 08.00, 12.00.

SHORT WAVE PRGR.
Karachi to W. Pakistan: 01.45–03.30, 07.00–09.00, 12.00–13.20, 14.00–15.15.

01.45: N. in Bengali		12.00: N. in E.	
02.00: Lessons from the Holy Quran	6070	12.10: N. in Urdu	7280
02.30: N. in E.	7280	12.20: N. in Pashto	9645
02.45: N. in Urdu		12.35: N. in Kashmiri	
03.00: N. in Pashto			9755
03.10: Karachi Prgr.		12.45: Kashmiri Prgr., Baluchi Prgr.	7010
07.00: Karachi Prgr.			7280
07.50: N. in Pashto	9645		9645
08.00: N. in E.	11845	14.00: Karachi Prgr.	
08.10: N. in Urdu		14.15: Nat. Hookup	7280
08.20: Karachi Prgr.		14.45: N. in E.	9645
		15.00: N. in Urdu	

Karachi to E. Pakistan: 01.45–03.30, 06.30–06.50, 07.00–08.20, 12.00–12.20, 13.45–15.15.

01.45: N. in Bengali		07.00: Karachi Prgr.	17750
02.30: N. in E.	17750	08.00: N. in E.	21590
02.45: N. in Urdu	15335	08.10: N. in Urdu	
03.00: N. in Pashto		12.00: N. in E.	17750
03.10: Karachi Prgr.		12.10: N. in Urdu	
06.30: N. in E.	17750	13.45: N. in Bengali	17740
06.40: N. in Bengali	21590		15255
		14.00: as f. W. Pakistan	9740

Zonal Services:

Lahore	kc/s	Dacca	kc/s	Dacca to W. Pakistan
01.30–03.00	4807	01.00–03.00	5980	03.45–04.00 in 16 m.b.
07.00–08.30	7225	06.00–07.30	9614	
11.30–13.30	7225	11.00–13.00	7140	
13.45–17.00	4807	13.15–16.30	5980	

ANN.: This is Radio Pakistan, Karachi, Lahore etc. Programmes in Urdu are broadcast from all stations. Programmes broadcast from regional stations are also based on local languages Bengali, Punjabi, Pushto, Sindhi, Baluchi etc.

EXTERNAL SERVICES

	Service	kc/s	Language
00.30–01.15	S.E.As.	15335/17750	Urdu/E.
03.45–04.30	S.Ea.Af.	21590/17750	Gujrati
08.30–09.15	Ind.	21590/17750	E.
09.30–10.30	S.As.	11845/17750	Urdu
10.45–11.00	Gen. Overseas Sce.	21590/17750	E.
11.00–11.45	Burmese	21590/17750	Burmese
15.30–15.45	Gen. Overseas Sce. (M.E.)	9740/15285	E.
15.30–16.15	Afghan Persian	9645/7200	Afghan/Persian
16.00–16.45	Iranian	9740/7010	Persian
16.15–16.45	Turki	9645/7200	E.
17.00–18.00	Arabic	15285/9740	Arabic
18.15–19.00	Turkish	15245/9740	E.
19.15–20.00	U.K.	15245/9740	E.

N.: E.: 10.45–11.00, 15.30–15.45. **Gujarati:** 03.50–04.00. **Burmese:** 11.05–11.15. **Afghan/Persian:** 15.35–15.45, 16.30–16.40. **Arabic:** 18.05–18.15.

ANN.: E.: "This is Radio Pakistan calling listeners in (name of target area)". – **INT.-SIG.:** A signature tune is played during interval signals. – **VER.** by QSL-card. – **F.PL.:** Broadcasting House at Dacca Short-wave transmitter at Peshawar. Additional shortwave transmitter at Dacca. One new m.w. station in East Pakistan. One additional medium-wave transmitter at Karachi. – **PUBLICATION:** "Pakistan calling" in English, Urdu, Bengali, Arabic, Persian, Burmese.

★ SARAWAK ★

Local Time: 8 h. ahead of GMT. **Language:** English, Malay, Chinese, Iban.

SARAWAK BROADCASTING SERVICE (Govt.)

ADDR.: Broadcasting House, Kuching. **Cable:** Broadcasts. – **L.P.:** Dir. Broadc.: P. Ratcliffe. Chief Eng.: J. R. Sandison. Dir. Prgr.: Ian Kingsley.

HOME SERVICE from R. Sarawak: 04.00–05.15, 09.00–15.00. 850 kc/s 352.9 m 5 kW – 5052 kc/s 59.39 m 5 kW.

English: Sun. 04.00–05.30, 11.00–14.00. W. 05.00 (Thurs., Sat. 04.00)–05.15. **N.:** 05.00 rel. from R. Australia; 13.00 (BBC rel.). – **Chinese:** 10.00–11.00, 14.00–15.00. Tues., Fri. also 04.00–05.00. **N.:** 14.00 (BBC rel.). – **Chinese Opera:** 14.20–14.45. – **Malay:** D. 09.00–14.00. Mo., Tues. also 04.00–05.00. – **N.:** 12.45 (BBC relay). – **Iban:** D. 11.30–13.00.

ANN.: "This is Radio Sarawak." – **INT.-SIG.:** Guitar playing simple descending melody. – **VER.** by QSL-card or letter. – **F.PL.:** Extensions of studios and new s.w. transmitter 7.5 kW; both expected to be in operation Sept. 1957.

★ TAIWAN (Formosa) ★

Local Time: 8 h. ahead of GMT (Su. 9 h.). **Language:** Chinese.

All stations in Taiwan carry the same prgr. at 12.00–12.30(Sun. 12.00)–13.00).

BROADCASTING CORPORATION OF CHINA

(Semi-Governmental belonging to the Chinese Kuomintang Party)

ADDR.: 53, Jen Ai Road, (Section 3), Taipei. Cable:Broadcast.

L.P.: Pres.: Liang Han-chiao. Man. Dir.: James Wei. Deputy Man. Dir.: Shelley Lowe and Wu Tao-I.

STATIONS: Taiwan Broadcasting Station and Voice of Free China:

Calll.		kc/s	m	kW	Calll.		kc/s	m	kW
BED	3	15225	19.7	20	BED	2	750	400	125
–	4	11800	25.42	20	–	9	1040	289	20
–	5	9575	31.3	20	–	22	660	454	20
–	6	11815	25.4	50	–	23	960	313	1
–	7	7130	42.1	20	–	24	1000	300	1
–	8	15135	19.82	50	–	25	890	337	1
–	29	3220	50.17	3.5	–	26	1070	280	1
–	29	5980	93.2	3.5	–	27	860	349	1
–	35	17890	16.7	0.5	–	28	840	357	0.5
–	36	9685	30.9	0.5	–	32	1190	252	1
–	37	11970	25	0.5					
–	38	15140	19.8	0.5					
–	39	17720	16.9	0.5					

HOME SERVICE in Chinese:

kc/s		kc/s		kc/s	
660, 5980, 3220	22.20–02.00	660, 1040, 5980	03.00–07.00	1040, 660, 5980, 3220	09.30–16.00

FOREIGN SERVICES – THE VOICE OF FREE CHINA:

kc/s	h. of tr.	Target areas	Languages
15225, 11815	04.55–07.00	U.S.A.	E., Kuoyu, Cantonese
15135	16.55–17.55	Eu., M. Ea.	E., F.
11800	16.55–17.55	Eu., M. Ea.	Arabic, F.
9575	11.05–14.00	Japan, Korea	Vietnamese, Korean, Japanese, Amoy, Cantonese.
11815	11.05–14.00	Vietnam, S. Sea Islands	Chouchow, Kuoyu, Cantonese & Amoy.

Chinese Music and Weatherrep.: 05.30, 13.00.

ANN.: "This is the Voice of Free China broadcasting from Taipei, the nation's capital." – **INT.-SIG.:** Musical records. – **VER.** by QSL-card.

AIR FORCE BROADCASTING STATION BEC32

ADDR.: Chungcheng Road, Taipei.

L.P.: Chief of the Station: Lo Chun-tsai.

STATIONS: BEC32, Taipei: 22.00–00.30, 03.55–06.00, 09.00–16.00. 980 kc/s 306.0 m 1 kW – 9775 kc/s 30.68 m 3 kW 6106 – 49.14 – 3 –

N.: Mandarin: 23.00, 04.20, 09.30, 14.00. – **Taiwan Dialect:** 05.50.

INT.-SIG.: Air Force Song.

POLICE BROADCASTING STATION (Taiwan Provincial Govt. Police Information, Educational)

ADDR.: No. 1 Tientsin Road, Taipei. – **L. P.:** Dir. Gen.: General Wang Pee. Vice-Dir.: T. Cheng-Yu. Chief Editor: Tsing Chen-Chih. Dir. Prgr.: Fe I-Hun. Chief-Eng.: Hun Chih-Sin. AD.

HOME SERVICE in Chinese: 20.45–00.25, 02.55–06.00, 08.30–15.00. BEC38 940 kc/s 319.1 m – 5960 kc/s 50.34 m 1 kW d.

Chinese Opera: 05.00–05.30, 12.00–12.30. – **Chinese Songs:** 10.40–11.00. – **N.:** 20.50, 23.00, 04.00, 10.30, 14.05. – **Mailbag:** 23.00, 04.40. 11.40. – **Weatherrep.:** 24.00, 03.30, 04.00, 10.00 13.00. – **Time Sig.:** 23.00, 24.00, 03.00, 12.00, 14.00.

CHENG SHENG BROADCASTING CORP.

ADDR.: Shih-lin, Taipei. **L.P.:** Dir.: S. H. Shia.

STATIONS:

Call.	kc/s	m	kW	Call.	kc/s	m	kW
1) BEV34	820	365.9	0.5	2) BEV35	1270	236.2	0.1

O. I. R.'s
Documentation and Information
BULLETIN
published in English, French, Russian and Chinese gives you every 2 months a lot of valuable information on what is going on in the world of Broadcasting.
Subscription: ARTIA Ltd.,
Exporters and Importers of Cultural Commodities.
Ve Smeckách 30, Prague 2, Czechoslovakia.

3) BEC36	1270	236.2	0.5	4) BEV60	1240	211.3	0.5
3) BEC36	5995	50.04	3.5	5) BEV58	1260	238.1	0.5
3) BEC36	7300	41.10	3.5	6) BEV72	1370	218.6	0.5

HOME SERVICE:
1) **First Dept. (Taipei):** W. 23.00–18.05. Sun. 02.00–17.05. – 2) **Second Dept. (Taipei):** D. 22.00–17.05. – 3) **The Voice of Rightousness (Taipei):** D. 22.00–23.00, 12.00–17.50 (also to China & Chinese overseas). **N. in Mandarin:** 12.10. **E.:** 00.30–01.00 (Back to the Bible). – **Chinese Music:** D. 12.55. – 4) **Cheng-Yen Broadcast Station (Southern of Taiwan):** D. 22.30–02.00, 02.25–07.00, 07.20–16.00. – 5) **China Farmers Broadcast Station (Middle of Taiwan):** D. 22.30–01.00, 02.00–08.00, 08.50–16.00. – 6) **Kung I Broadcast Station (Southern of Taiwan):** D. 22.25–01.30, 02.25–06.00, 07.55–16.00.
ANN.: BEC36: "The Voice of Righteousness from Taipei." – **VER.** by letter.

HUA SHENG BROADCASTING STATION:
ADDR.: 27, Great West Road, Shih Ling, Taipei, Taiwan. – **L.P.:** Gen. Mgr.: Y. L. Chang. – **STATION:** BEV 70 1400 kc/s 0.5 kW: 21.55–15.15.

MILITARY BROADCASTING STATIONS (Govt.)
ADDR. of ADM.: Military Broadcasting Corps, Ministry of National Defense, Taipei. – **L.P.:** Chief Broadc.: Hsu-Fu-hua.
STATIONS:

	kc/s	m	kW		kc/s	m	kW
BEC20	850	353	1	BEC26	1330	225	1.5
BEC22	1100	273.0	3		5965	50.28	1.5
BEC23	1200	250	1	BEC25	1350	223.0	1
	7140	42.02	1	BEC28	700	428.0	0.5
BEC24	1250	240.0	1.5		5950	50.42	3.5
	9510	31.55	1.5		9745	30.78	3.5

BEC20: ADDR.: Kinmen. – **D.PRGR.:** 23.00–01.00, 04.00–06.00, 08.00–15.00.
BEC22: ADDR.: No. 3 Section I Hsinyi Rd. Taipei. – **D.PRGR.:** 22.00–00.30, 03.30–07.00, 09.30–16.00.
BEC23: ADDR.: Behind the Taichung Municipal Govt., Taichung, **D.PRGR.:** 22.00–01.00, 03.00–07.00, 09.30–16.00.
BEC24: ADDR.: 126 Takanpu, Kaohsiung. – **L.P.:** Dir.: Lt. Col. P. C. Peng. – **D.PRGR.** in Chi.: 1250 kc/s 1.5 kWd, 9510 kc/s 31.54 m 1.5 kWd.: D. 22.00–01.00, 03.30–06.30, 09.30–16.30. Beamed to Eu., Japan, Korea, Australia, NZ., Philippines, Java, S.W.As. – **National Music:** 22.50, 04.00, 09.50. – **N.:** 23.10, 03.40, 10.20, 12.00, 14.50. – **Language Lessons:** 04.20, 05.35. – **Weatherrep.:** 12.00. – **Time Sig.:** 00.00, 04.00, 06.30, 15.30. – **Mailbag in E.:** 10.30–11.00. **ANN.:** "This is the voice of Chinese Armed Forces, R. Station BEC24 in Kaohsiung, Taiwan." – **VER.** by QSL-card.
BEC25: ADDR.: Hualien, Taiwan. – **D.PRGR.:** 22.00–24.00, 03.30–06.30, 09.30–15.30.
BEC26: ADDR.: Inside the Naval Headquarters, Tsoying.
D.PRGR.: as BEC 24.
BEC28: ADDR.: As BEC 22. – **D.PRGR.:** 01.00–03.00, 07.00–09.00, 16.00–18.00.

ARMED FORCES RADIO
ADDR.: Armed Forces Radio, Taiwan, Taiwan Base Command, APO 63, San Francisco, California, USA. – **L.P.:** Chief MAAG: Major General Frank S. Bower, jr. St. Mgr.: Chief Warrant Officer Lin Arison, jr. Dir. Prgr.: Joe Brokers. Adm. NCD.: M/Sgt. George Moyer.
HOME SERVICE in E. from BEC27:
560 kc/s 530 m 0.5 kW } W. 22.00–00.30, 03.00–06.00, 06.00–09.00
7200 – 41.67 – 0.5 kW } (Wed. and Sat. only), 09.00–16.00. Sun.: 03.00–16.00.
N.: 10.00. – **Language Lessons (E. – Chinese):** Tues., Thurs.: 05.30. – **Time Sig.:** Every 30 min. – **Prgr. Prev.:** D. 04.20, 14.25. – **ANN.:** "This is your Allied Forces Station BEC27, 560 on your dial broadcasting from downtown Taipeh, Taiwan." – **VER.** by QSL-card. – **F.PL.:** Increase of power to 1 kW January 57. New studios and equipment January 57. **VER.** by QSL-card or letter.

OTHER STATIONS: 10 m.w. low power stations.

★ THAILAND ★

Local Time: 7 h. ahead of GMT. – **Language:** Thai.

THE THAI NATIONAL BROADCASTING STATION (Govt.).
ADDR.: Public Relations Department, Bangkok. – **Cable:** "Radio Thailand".
L.P.: Dir. Gen., Major-General: M. L. Kharb Kunjara. Deputy Dir. Gen.: P. Höngsanan. Dir. Overseas Services: Mrs. Somchit Siddichai.
HOME SERVICE: D.: 00.00–01.00, 12.00–15.30.

	kc/s	m	kW		kc/s	m	kW
HSK	825	363.0	10	HSK6	7140	42.02	1
HSK	4830	62.10	1	HSK7	11910	25.18	0.5
HSK5	6070	49.42	1	HSK8	15640	19.18	0.25

N.: 00.25, 13.00.

FOREIGN SERVICE: HSK9 11670 kc/s 25.71 m 50 kW.
General Overseas Service: 10.25–11.57. **N. in E.:** 10.30. – **Relay from Home Service:** 13.00–14.00.
North American Service: 04.15–05.15. **N. in E.:** 04.25.
ANN.: Opening and closing **Overseas Service:** "This is the Overseas Broadcasting Station of Thailand", in between: "This is Radio Thailand" or "This is HSK transmitting the...of Radio Thailand". – **INT.-SIG.:** Chimes. – **VER.** by QSL-card and letter. Address reports to: The Overseas Broadcasting Division, Public Relations Dept., Bangkok, Thailand.

MINISTRY OF EDUCATION (Govt.)
ADDR.: Division of Educational Information, Ministry of Education, Bangkok. – **L.P.:** Pres. of Executive Board for Education Broadc. St.: M. L. Pin Malakul. Vice-Pres.: Sanan Sumitr. Secr. Gen.: Mrs. Ambhorn Meesook.
HOME SERVICE: 11.00 (Sun. 09.00)–13.00.
1172.5 kc/s 255.8 m 2 kW – 6172 kc/s 48.60 m 2 kW.
Nat. Music: 11.20, 12.10. – **N.:** 11.35. – **Language Lesson:** 11.50. – **In E.:** Wed. 11.50–12.10. Twice a month: 12.10–12.55.
ANN.: "This is the Education Broadcasting Station of Thailand, broadcasting on a frequency of 1172.5 kc/s, or with a wavelength of 255.8 m, and in the 49 metre band". – **VER.** by letter and QSL-card. – **F.PL.:** A School Broadcasting Service in near future.

TERRITORIAL DEPT, Bangkok.
1100 kc/s 272 m 0.4 kW. D.: 01.00–03.00, 10.30–13.00.

THAI ARMY RADIO, Bangkok: 23.00–15.00.
789.5 kc/s 380 m 0.25 kW 1400 kc/s 214 m 1 kW
5790 – 51.81 – 0.25 – 4878 – 61.50 – exp.

THAI NAVY STATION: 04.00–07.00, 12.00–15.00.
657 kc/s 457 m 6.6 kW 1120 kc/s 268 m 0.25 kW
6100 – 49.18 – 0.25 –

THAI AIR FORCE STATION, Don Muang:
Mo.–Fri. 12.00–14.30.
800 kc/s 375.0 m 0.25 kW 1200 kc/s 250.0 m 0.25 kW
6540 – 45.87 – 0.25 –

★ VOLCANO ISLANDS ★

Local Time: 9 h. ahead of GMT. – **Language:** English.
Armed Forces Radio Service (US military).
FEN Iwo-Jima 1500 kc/s 200 m 0.25 kW: 21.00–15.05.
D. PRGR.: see FEN-Japan. – **ANN.: E.:** "FEN Iwo-Jima".

PACIFIC

★ AUSTRALIA ★

Local Time: E. Au.: 10 h. ahead of GMT; S. Au.: 9½ ahead of GMT; W. Au.: 8 h. ahead of GMT. – **Language:** English.

AUSTRALIAN BROADCASTING COMMISSION (ABC)
The Australian National Broadcasting Service prgrs. are the responsibility of the Australian Broadcasting Commission, which is responsible to the Postmaster-General. The technical services for Sound are provided by the Postmaster-General's Dept., and for T.V. by ABC staff.
ADDR.: Head Office: Australian Broadcasting Commission, 264 Pitt Street, Sydney. – **Overseas Service:** Radio Australia, P.O. Box 780, H, G.P.O., Melbourne. – **Cable:** ABCOM SYDNEY.
L.P.: Chairman: Sir Richard Boyer. Vice-Chairman: E. R. Dawes. Gen. Mgr.: C. J. A. Moses. Assistant Gen. Mgr.: A. N. Finlay. Controller of Prgr.: Dr. K. L. Barry. Controller Adm.: E. K. Sholl. Dir. Music: W. G. James. Dir. Drama & Features: N. Hutchison. Dir. Youth Education: C. Bull. Dir. Talks: A. Carmichael. Supervisor Religious Broadc.: Dr. K. Henderson. Dir. Rural Broadc.: J. Douglass. Supervisor Sporting Broadc.: B. Kerr. Supervisor Childrens Hour: J. Appleton. Concert Mgr.: R. Lamb. Editor-in-Chief: W. Hamilton. Dir. Prgrs. (Overseas): R. Wood.

THE NATIONAL BROADCASTING SERVICE
MEDIUM WAVE SERVICE
* = Metropolitan. ** = Regional.
Australian Capital Territory

Calll.	kc/s	kW	Name/Location	h. of tr.
2CY**	850	10	Canberra	20.00(Sun.20.30)–13.30(Sat.14.00)
2CN*	1540	2	Canberra	21.00–13.00(daily)
New South Wales				
2CR**	550	10	Orange	20.00(Sun.20.30)–13.30(Sat.14.00)

2ML**	560	0.2	Murwillumbah	20.00(Sun.20.30)–13.30(Sat.14.00)
2FC*	610	10	Sydney	21.00–13.30(Sat.14.00)
2NU**	650	10	Tamworth	20.00(Sun.20.30)–13.30(Sat.14.00)
2CO**	670	10	Albury	– – – –
2KP**	680	10	Kempsey	– – – –
2NR**	700	10	Grafton	– – – –
2TR**	720	0.2	Taree	– – – –
2BL*	740	10	Sydney	20.00(Sun.20.30)–13.00
2NB**	760	1	Broken Hill	20.30(Sun.21.00)–14.00(Sat.14.30)
2BA**	810	10	Bega	20.00(Sun.20.30)–13.30(Sat.14.00)
2NA**	820	2	Newcastle	21.00–13.30(Sat.14.00)
2NC**	1230	2	Newcastle	20.00(Sun.20.30)–13.00
2LG**	1570	0.2	Lithgow	20.00(Sun.20.30)–13.30(Sat.14.00)
Victoria				
3WV**	580	10	Horsham	20.00(Sun.20.30)–13.30(Sat.14.00)
3AR*	620	10	Melbourne	21.00–13.00(Sat.14.00)
3LO*	770	10	Melbourne	20.00(Sun.20.30)–13.00
3GI**	830	7	Sale	20.00(Sun.20.30)–13.30(Sat.14.00)
3WL**	1570	0.2	Warrnambool	– – – –
Queensland				
4QL**	540	10	Longreach	20.00(Sun.20.30)–13.30(Sat.14.00)
4QR*	590	10	Brisbane	20.00(Sun.20.30)–13.00
4QN**	630	7	Townsville	20.00(Sun.20.30)–13.30(Sat.14.00)
4AT**	600	0.5	Atherton	– – – –
4QA**	720	2	Mackay	– – – –
4QS**	750	10	Toowomba	– – – –
4QG*	790	10	Brisbane	21.00–13.30(Sat.14.00)
4RK**	840	10	Rockhampton	20.00(Sun.20.30)–13.30(Sat.14.00)
4QB**	910	2	Maryborough	– – – –
4QY**	940	2	Cairns	– – – –
4GM**	1570	0.2	Gympie	– – – –
4SO**	1590	0.2	Southport	– – – –
South Australia				
5CK**	640	10	Port Pirie	20.30(Sun.21.00)–14.00(Sat.14.30)
5CL*	730	5	Adelaide	21.30–14.00(Sat.14.30)
5AN*	890	2	Adelaide	20.30(Sun.21.00)–14.00(Sun.13.30)
5PA**	1160	2	Penola	20.30(Sun.21.00)–14.00(Sat.14.30)
5LN**	1530	0.2	Port Lincoln	– – – –
5WM**	1580	0.05	Woomera Rocket Range	– – – –
5MG**	1580	0.2	Mt. Gambier	– – – –
Western Australia				
6WA**	560	10	Wagin	22.00(Sun.22.30)–15.30(Sat.16.00)
6NM**	600	0.2	Northam	– – – –
6AL**	650	0.4	Albany	– – – –
6WF*	690	5	Perth	23.00–15.30(Sat.16.00)
6GF**	720	2	Kalgoorlie	22.00(Sun.22.30)–15.30(Sat.16.00)
6WN*	810	10	Perth	22.00(Sun.22.30)–15.00
6GN**	830	2	Geraldton	22.00(Sun.22.30)–15.30(Sat.16.00)
Tasmania				
7QN**	540	0.2	Queenstown	20.00(Sun.20.30)–13.30(Sat.14.00)
7ZL*	600	2	Hobart	21.00–13.30(Sat.14.00)
7NT**	710	10	Launceston	20.00(Sun.20.30)–13.30(Sat.14.00)
7ZR*	940	2	Hobart	20.00(Sun.20.30)–13.00
Northern Territory				
5DR**	1500	0.2	Darwin	20.30(Sun.21.00)–14.00(Sat.14.30)
5AL**	1530	0.2	Alice Springs	– – – –

Papua

9PA 1250 kc/s 0.5 kW Port Moresby.
Mo.–Fri.: 20.45–04.45, 06.00–12.45. Sat.: 20.45–23.30, 02.00–13.00. Sun.: 21.45–04.00, 06.00–12.00.
FM SERVICE (Exp.). D.: 01.00–12.30, exc. Adelaide: D. 01.30–13.00.

Melbourne	91.1 mc/s	2 kW		Sydney	92.1 mc/s	2 kW	
Brisbane	91.1	–	1 –	Adelaide	97.3	–	3 –

DOMESTIC SHORT WAVE SERVICE

ADDR.: Sydney: A.B.C., Box 487, G.P.O. – **Melbourne:** A.B.C., G.P.O. – **Brisbane:** A.B.C., Box 293 E, G.P.O. – **Perth:** A.B.C., Box 190 D., G.P.O. – **Port Moresby:** A.B.C., Port Moresby.
STATIONS: Sydney: VLI (2 kW). – **Melbourne:** VLH, VLG (10 kW) & VLR (5 kW). – **Brisbane:** VLQ (10 kW) & VLM (10 kW). – **Perth** VLW (2 kW) & VLX (10 kW). – **Port Moresby:** VLT (2 kW).

Call	kc/s	m	h. of tr.
VLI6	6090	49.26	20.00(Sun.20.30)–13.30(Sat.14.00)
VLH11	11880	25.25	20.00(Sun.20.30)–23.15(Sat.22.45)
VLH15	15230	19.70	23.30(Sat.23.00)–08.15
VLH9	9680	30.99	08.30–13.30(Sat.14.00)
VLR6	6150	48.78	20.00(Sun.20.30)–22.15(Sat.22.30), 08.30–13.00
VLR9	9680	30.99	22.30(Sat.22.45)–08.30
VLQ9	9660	31.06	20.00(Sun.20.30)–13.30(Sat.14.00, Sun.13.00)
VLM4	4920	60.98	20.00(Sun.20.30)–13.30(Sat.14.00)
VLW9	9610	31.22	22.00(Sun.22.30)–02.15, 10.15–15.30(Sat.16.00)
VLW11	11840	25.36	02.30–10.00
VLX4	4897	61.25	22.00(Sun.22.30)–02.15, 10.15–15.30(Sat.16.00)
VLX9	9610	31.22	02.30–10.00
VLT6	6130	48.94	Mo.–Fri.: 20.45–04.45, 06.00–12.45. Sat.: 20.45–22.30, 02.00–13.00. Sun.: 21.45–04.00, 06.00–12.00.

N.: 20.45, 21.45 (Sun. 22.45), 02.30, 03.30, 06.00 (BBC & Au.), 09.00, 11.00, 13.00 (BBC & Au).
NOTE: Although times are in GMT, Calendar days apply to the Ea. States of Au. only. – ANN.: Example: "This is A.B.C.... 2 BL Sydney, 2 NC Newcastle and New South Wales Regional. Stations... the time is...". – INT.-SIG.: Three Gongs (C.F.A.). – PUBLICATIONS: The ABC Weekly. – Radio Australia Programme Guide. – Schools Broadcasts booklets.

OVERSEAS SERVICE (R. AUSTRALIA)

STATIONS: VLA, VLB: 100 kW. – VLC: 50 kW. – VLG: 10 kW.
TRANSMITTERS: VLA, VLB, VLC: Shepparton. VLG: Lyndhurst.

VLA7, VLB7, VLC7, VLG7:

kc/s	m	kc/s	m
7220	41.55	7280	41.21
7240	41.44		

VLA9, VLB9, VLC9, VLG9:

9510	31.55	9580	31.32
9520	31.51	9615	31.20
9540	31.45	9650	31.09
9560	31.28	9680	30.99

VLA11, VLB11, VLC11, VLG11

11710	25.62	11840	25.34
11740	25.55	11850	25.32
11760	25.51	11870	25.27
11770	25.49	11880	25.25
11810	25.40	11900	25.21

VLA15, VLB15, VLC15, VLG15:

kc/s	m	kc/s	m
15160	19.79	15230	19.70
15200	19.74	15240	19.68
15210	19.72	15315	19.59
15220	19.71	15320	19.58

VLA17, VLB17, VLC17, VLG17

17790	16.86	17840	16.82
17800	16.85		

VLA21, VLB21, VLC21:

21540	13.93	21680	13.84
21600	13.89		

A new 50 kW transmitter VLD is expected to begin operating on a regular basis early in 1957.
Abbreviations: Md=Mandarin; Pa=Pacific; Is=Isles.

SERVICE (Areas)	L.	h. of tr.	PERIODS*) 1st m.b.	2nd m.b.	3rd m.b.	4th m.b.
S., S-Ea. As.,	E.	22.14–23.00	19	19	19	19
S-W. As.		22.14–00.30	13/16	13/16	13/16	13/16
		00.30–02.30	13	13	13	13
		02.30–07.15	13/16	13/16	13/16	13/16
		07.15–08.15	16	16	16	16
		08.15–12.00	19	19	19	19
		12.00–14.00	16/19	16/19	19/25	19/25
		14.00–15.00	19/25/41	19/25/41	25/31/41	25/31/41
		15.00–16.30	19/25	19/25	25/41	25/41
		16.30–17.30	19/25/41	19/25/41	25/31/41	25/31/41
	Md.	11.00–12.00	16/19	16/19	19/41	19/41
N-Ea. As.,	E.	20.59–00.30	16	16	19	19
N. Pa. Is.		08.29–13.45	16	16	19	19
	Md.	11.00–12.00	16/19	16/19	19/41	19/41
S. Pa. Is.	E.	04.30–06.45	19	19	25	25
		06.45–08.15	19/25	19/25	19/25	19/25
		08.15–09.15	19	19	25	25
		20.00–22.00	25	25	25	25
Mid Pa. Is.	E.	08.30–09.45	25	25	25	25
		20.00–22.10	16	16	16	16
Br. Is., Eu.	E.	06.00–07.05	–	–	19	19
		07.45–09.00	25	25	–	–
	F.	06.00–06.45	25	25	25	25
N. Am.,(Ea.)	E.	12.14–13.45	25	25	25	25
N. Am.(W.)	E.	15.14–16.15	25	25	25	25
Af.	E.	04.30–05.45	13	13	13	13
Indo-China	F.	06.00–06.45	13	13	16	16
Tahiti	F.	06.00–06.45	25	25	25	25
N.Caledonian	F.	07.30–08.30	25	25	25	25
Indonesia	Ind.	10.00–11.00	16/19	16/19	25/41	25/41
	,,	23.00–00.00	16/19	16/19	16/19	16/19
Thailand	Th.	12.15–13.15	19	19	19	19

*) **Periods:** (1) Oct./Dec. (2) Jan./March. (3) Apr./June. (4) July/Sept.

FIXED PROGRAMMES:

MAILBAGS: In E.: (Pa.) Sat. 22.30, Sun.: 04.46, 11.30, 16.45. – (N. Am.) Sun.: 13.00. 15.45. – (Br. Is. and Eu.) Sun. 08.15: period 1–2, 06.15: period 3–4. – **In Ind.:** Sat. 23.42, Sun. 10.42. – **In F.:** Sun.: 06.30, 08.15. – **In Md.:** Sun. 11.15. – **In Thai:** Sun. 12.30. — **TIME-SIG.:** Every h. from 20.00–17.00 incl. — **N. in E.:** 00.15, 02.00, 04.00, 05.00, 05.15, 06.00, 07.00 per. 1–2, 08.30 per. 3–4. 09.00, 10.25 (dictation), 11.00, 12.15, 13.00, 13.15, 14.00, 15.30, 17.00, 20.30, 21.45, 23.15. — **N. COMMENTARIES in E.:** Mo. to Fri.: 07.10 per. 1–2, 08.40 per. 3–4, 09.10, 11.10, 13.10, 13.25, 14.10, 15.40, 17.10. — **REQUEST PRGR.: "Music While You Work":** Mo.–Fri. 05.30, – **"As You Like It":** Mo.–Fri. 17.15, **"Listener's Choice":** Sun. 11.15, D. 14.30. – **"At Your Request":** Tues.–Sun. 23.25. – **"My Song Goes Round the World":** Sat. 11.15, 12.25, 16.30, 21.15, Sun. 00.30, 04.30, Mo. 08.00 per. 1–2, 06.15 per. 3–4. — **RELIGIOUS: "Reading from the Bible":** Sun.–Thurs. 21.10. – **"Pause a Moment":** Mo.–Fri. 00.55. – **Radio**

Service: Sat. 23.30. – **"In Quires and Places Where They Sing":** 11.45, 12.25, 15.16, 08.00 per. 1–2, 06.30 per. 3–4. **"Community Hymn Singing":** Sat. 23.30. — **NATIONAL MUSIC: "Australian Artists Perform":** Mo. 15.45, 22.45, Tues. 05.00, Thurs. 22.45, Fri. 04.45, 08.15, 15.45. – **"Young Australia Recitals":** Mo.–Fri. 03.30, Sun. 03.30, 05.00, 06.45 per. 3–4, 16.30, Wed. 07.45 per. 1–2. — **SPORT:** Mo.–Thurs. 08.30–08.45. Fri.–Sat. 08.30–08.55. Mo., Sat. 22.15. Wed. 06.02 per. 3–4, 08.15 per. 1–2, 13.32, 15.16, 20.45. Thurs. 05.30. Fri. 03.45, 05.20, 06.45 per 3–4, 08.15 per 1–2, 13.32, 16.00, 20.45. Mo. 06.45 per 3–4, 08.45 per 1–2. – **DX-PRGR.: "DX-ers Calling":** Sat. 22.00, Sun. 05.30, 07.15 per 3–4, 08.45 per 1–2, 13.30, 16.00. — **BOURSE:** Once each quarter in the talk **"Economic Review"** transmitted on Thurs. at 06.02 per. 3–4, 07.46 per. 1–2, 10.15, 13.00, 15.16, 20.48. — **WEATHERREP.:** Official weatherrep. are not broadcast in the Overseas Service however, the state of Melbourne weather is given at the start of E. language transmissions. — **PRGR. PREVIEW:** A prgr. summary is given at the start of each daily transmission. A preview of tomorrow's prgr. is given three minutes before the close of each daily transmission. — **TRANSMISSION PARADE:** Fri. 20.20, 22.10, Sat. 05.25, 05.40, 07.23 per. 3–4, 08.50 per. 1–2, 13.10, 14.55.

FIXED PROGRAMMES in Fr., Ind., Thai, Md.:
French: N.: 06.15, 07.45. – **N. Commentary:** 06.35, 07.55. – **Requests:** Mo. 08.00, Tues. 06.25, 07.32, Wed., Thurs., Fri. 08.00, Sat. 06.02, 07.55. — **Indonesian: N.:** 10.30, 23.30. – **N. Commentary:** 10.40. – **Requests:** Sun. 23.02, Tues. 23.02, Wed. 10.02, 10.47, 23.15, Sat. 10.02. **Mandarin: N.:** 11.30. – **N. Commentary:** 11.40. – **Requests:** Mo., Fri., Sat. 11.02.

ANN.: "This is Radio Australia transmitting the Overseas Service of the A.B.C." – "You are tuned to Radio Australia, the Overseas Service of the A.B.C.".
TUNING AND INT.-SIG.: Music Box playing "Waltzing Matilda" for five minutes preceding transmissions. Prgr. commence with the Melbourne Post Office Clock chimes and the laugh of the Kookaburra.
VER.: Listener's reports are welcomed, and return postage is unnecessary. Reports should be detailed, and are verified by QSL-card. A 32-page Programme Guide to the Overseas Service is published quarterly and issued free of chagre.
F.PL.: At least three new medium-wave country regional stations will come into operation during 1957: 2GL Glen Innes 820 kc/s 10 kW – 2AN Armedale 1600 kc/s 0.1 kW – 5MV Renmark 1590 kc/s 2 kW.

PRIVATELY OWNED COMMERCIAL BROADC. STATIONS
Associated in a body called: **The Australian Federation of Commercial Broadcasting Stations:** Addr.: Wingello House, Angel Place, Sydney. – **The Australian Broadcasting Control Board** (Addr.: 497–503, Collins Str., Melbourne, C.1) is a Govt. Authority for the planning of the broadcasting services and ensuring that their technical operations and prgr. services are of adequate standard.
2CH is controlled by the New South Wales Council of Churches and 2SM by the Roman Catholic Church, and 5KA and 5AU by the Methodist Church.
D = Daylight Power. N = Night Power.

AUSTRALIAN CAPITAL TERRITORY
2CA Canberra 1050 2[1])

NEW SOUTH WALES*)
(Sydney)
2CH 1170 5 – 2SM 1270 5[3])
2GB 870 5[2]) – 2UE 950 5[4])
2KY 1020 5 – 2UW 1110 5[5])

COUNTRY
2AD Armidale 1130 2/1
2AY Albury 1490 2
2BE Bega 1480 1
2BH Broken Hill 660 0.2
2BS Bathurst 1500 2
2NX Bolwarra 1360 2
2DU Dubbo 1250 2[6])
2GF Grafton 1210 2/1
2GN Goulburn 1380 2
2GZ Orange 990 2
2HD Newcastle 1140 2
2NM Muswellbrook 1460 0.5
2KA Katoomba 780 2 D / 1 N
2KM Kempsey 980 2 D / 1 N
2KO Newcastle 1410 2
2LF Young 1340 2[7])
2LM Lismore 900 2 D / 1 N
2LT Lithgow 1370 0.5
2MG Mudgee 1450 0.5
2MO Gunnedah 1080 1
2MW Murwillumb. 1440 2 D / 1 N
2NZ Inverell 1190 2
2PK Parkes 1400 0.5
2QN Deniliquin 1520 2
2RG Griffith 1070 2/[8])
2TM Tamworth 1300 2[9])
2WG Wagga 1150 2
2WL Wollongong 1430 2
2XL Cooma 920 1
2RE Taree 1560 2/0.5 [12])

VICTORIA*) (Melbourne)
3AK 1500 0.5 – 3KZ 1180 5
3AW 1280 5 – 3UZ 930 5[10])
3DB 1030 5 – 3XY 1420 5

VICTORIA Country
3BA Ballarat 1320 1
3BO Bendigo 960 1
3CS Colac 1130 1
3CV Maryborough 1440 1[10])
3GL Geelong 1350 1
3HA Hamilton 1000 2
3LK Lubeck 1090 2
3MA Mildura 1470 2
3SH Swan Hill 1330 2
3SR Shepparton 1260 2
3TR Sale 1240 2
3UL Warragul 880 2/1
3YB Warrnambool 1210 1
3NE Wangaratta 1600 2/1[11])

QUEENSLAND*)
(Brisbane)
4BC 1120 2 – 4BK 1290 2[13])
4BH 1390 2 – 4BQ 690 2/1[14])

QUEENSLAND Country
4AK Oakey 1220 2
4AY Ayr 960 2/1
4BU Bundaberg 1330 2
4CA Cairns 1010 1
4GR Toowoomba 860 2
4GY Gympie 1350 2/0.5
4IP Ipswich 1010 1
4LG Longreach 1100 2
4MB Maryborough 1160 2
4MK Mackay 1380 2
4RO Rockhampton 1000 2
4SB Kingaroy 1060 2
4TO Townsville 780 2/1
4VL Charleville 920 1
4WK Warwick 880 2/1
4ZR Roma 1480 1

S. AUSTRALIA*) (Adelaide)
5AD 1310 2 – 5KA 1200 2[16])
5DN 970 2 –

S. AUSTRALIA Country
5AU Port Augusta 1400 0.5[16])
5MU Murr. Bridge 1460 0.5
5PI Crystal Brook 1040 2
5RM Renmark 800 2[16])
5SE M. Gambier 1370 0.5

W. AUSTRALIA*) (Perth)
6IX 1240 2 – 6PM 1130 2
6KY 1320 2 – 6PR 880 2

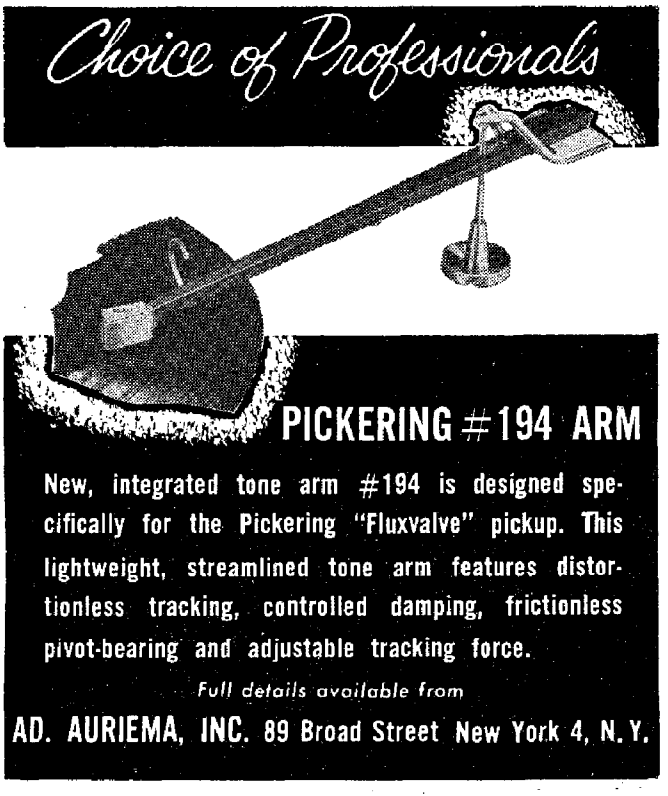
W. AUSTRALIA Country.
6AM Northam 980 2
6CI Collie 1340 2
6GE Geraldton 1010 2
6KG Kalgoorlie 1210 2
6MD Merredin 1100 2
6NA Narrogin 920 2
6TZ Bunburry 960 2
6WB Katanning 1070 2
6BY Bridgetown 900 2

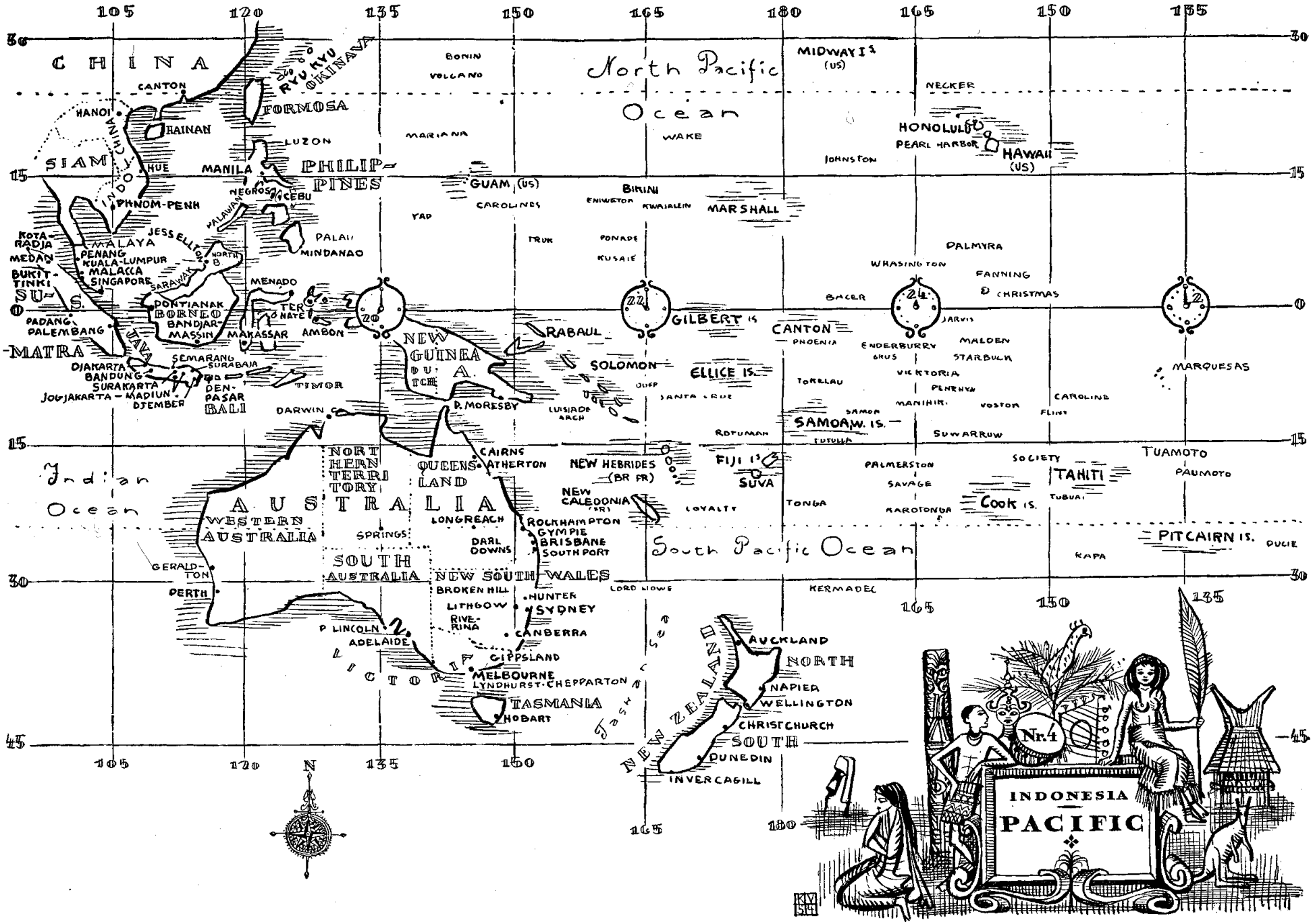
TASMANIA*) (Hobart)
7HO 860 2 – 7HT 1080 2

TASMANIA Country
7QT Queenstown 720 0.5
7AD Devonport 900 0.5
7BU Burnie 560 0.5
7EX Launceston 1010 2[15])
7LA Launceston 1010 2
7SD Scottsdale 1450 0.5[17])

*) Metropolitan stations.

[1]) **2CA – CANBERRA BROADCASTERS Pty Ltd. ADDR.:** Broadc. House, Northbourne Ave, Canberra. – **L.P.:** Chairman: Clive Ogilvy. Mgr.: George Barlin.
[2]) **2GB – BROADCASTING St. 2GB Pty. Ltd.** 136 Phillip Str., Sydney. **Cable:** Twogb. – **L.P.:** Gen. Mgr.: S.R.I. Clark. Mgr.: B. C. Button. Chief Eng.: L. N. Schultz. – **D.Prgr.:** W. 19.45–13.15 (Sat. 14.00), Sun. 21.00–13.00.
[3]) **2SM – BROADC.ST. 2SM Pty. Ltd.** Australia House, 46 Carrington Str., Sydney. – **L.P.:** Mgr.: W. H. Stephenson. Chief Eng.: O. Stubbs. – **D. Prgr.:** D. 20.00 (Sun. 22.00)–13.00 (Sat. 14.00).
[4]) **2ME – R. 2ME SYDNEY Pty. Ltd.** 29 Bligh Str., Sydney. **Cable:** Twoue. – **L.P.:** Chairman: Sir. John Butters C.M.G., M.B. Gen. Mgr.: J. E. Ridley. Chief Eng.: W. H. Robinson. – **D. Prgr.:** W. 19.30–13.30 (Sat. 14.00). Sun. 20.30–13.00. – **Ver.** by QSL-card.
[5]) **2UW – COMMONWEALTH BROADC. CORP. Pty. Ltd.** 49 Market Str., Sydney. **Cable:** Twouw. – **L.P.:** Gen. Man.: L. C. Hynes.





CHINA
CANTON
HANOI
HAINAN
FORMOSA
RYU KYU
OKINAWA
LUZON
MANILA
PHILIP-PINES
SIAM
INDO-CHINA
HUE
PHNOM-PENH
NEGROS
CEBU
PALAWAN
PALAU
MINDANAO
KOTA-RADJA
MEDAN
BUKIT-TINKI
MALAYA
PENANG
KUALA-LUMPUR
MALACCA
SINGAPORE
JESSELLTON
NORTH B.
SARAWAK
MENADO
SU-S.
PADANG
PALEMBANG
PONTIANAK
BORNEO
BANDJAR-MASSIN
TER NATE
MAKASSAR
AMBON
MATRA
JAVA
DJAKARTA
BANDUNG
SURAKARTA
JOGJAKARTA
MADIUN
DJEMBER
SEMARANG
SURABAJA
DEN-PASAR
BALI
TIMOR
DARWIN
NEW GUINEA
DUTCH
A.
P. MORESBY
RABAUL
SOLOMON
LUISIADE ARCH
North Pacific Ocean
BONIN
VOLCANO
MARIANA
GUAM (US)
CAROLINES
YAP
TRUK
BIKINI
ENIWETOK
KWAJALEIN
PONADE
KUSAIE
WAKE
MARSHALL
MIDWAY IS (US)
NECKER
HONOLULU
PEARL HARBOR
HAWAII (US)
JOHNSTON
PALMYRA
WHASINGTON
FANNING
CHRISTMAS
BACER
GILBERT IS
CANTON
PHOENIX
ENDERBURRY
OKUS
JARVIS
MALDEN
STARBUCK
VICKTORIA
PENRHYN
MANIHIKI
VOSTOK
CAROLINE
FLINT
MARQUESAS
ELLICE IS.
TORELAU
SAMOA W. IS.
SAMOA
ROTUMAN
TUTULLA
SUWARROW
SOCIETY
TUAMOTO
PAUMOTO
TAHITI
TUBUAI
COOK IS.
PALMERSTON
SAVAGE
KAROTONGA
TONGA
FIJI IS
SUVA
NEW HEBRIDES (BR FR)
NEW CALEDONIA (FR)
LOYALTY
PITCAIRN IS.
DUCIE
RAPA
South Pacific Ocean
KERMADEC
LORD HOWE
Indian Ocean
NORTHERN TERRITORY
QUEENSLAND
CAIRNS
ATHERTON
AUSTRALIA
WESTERN AUSTRALIA
LONGREACH
ROCKHAMPTON
GYMPIE
BRISBANE
SOUTH PORT
DARLDOWNS
SPRINGS
SOUTH AUSTRALIA
NEW SOUTH WALES
BROKEN HILL
LITHGOW
HUNTER
SYDNEY
RIVERINA
CANBERRA
GERALDTON
PERTH
P. LINCOLN
ADELAIDE
VICTORIA
GIPPSLAND
MELBOURNE
LYNDHURST-CHEPPARTON
TASMANIA
HOBART
Tasman Sea
NEW ZEALAND
AUCKLAND
NORTH
NAPIER
WELLINGTON
CHRISTCHURCH
SOUTH
DUNEDIN
INVERCAGILL
N
Nr. 4
INDONESIA
PACIFIC

Asst. Mgr.: F. E. Levy. Sales Mgr.: J. W. McKay. Chief Eng.: T. A. E. McNeill. – D. Prgr.: 24 h. a day.
[6]) 2DU – WESTERN BROADCASTERS Pty. Ltd. Macquarie Str., Dubbo. – L.P.: Mgr. Dir.: W. T. Grant. Chief Eng.: M. Wieland. D. Prgr.: 19.45–13.30. – Ver. by QSL-card. Postage required. – F.PL.: Television 1958.
[7]) 2LF – YOUNG BROADCASTERS Pty Ltd. 136 Phillip Str., Sydney. – L.P.: Chairman: S. Moore. Gen. Mgr.: W. P. Marsden. Chief-Eng.: R. Milne. Dir. Prgr.: M. Richards. – Ver. by QSL-card.
[8]) 2RG – 2RG BROADCASTERS Pty. Ltd. Box 388-VV P. O., Griffith. – L.P.: Dir.: Dr. L. M. Jones. Mgr.: R. Gamble. – D. Prgr.: 20.30–12.30.
[9]) 2TM – TAMWORTH RADIO DEVELOPMENT Co. Ltd. ADDR.: 312 Peel Str., Tamworth. – L.P.: Dir.: E. Higginbotham. Technical Dir.: T. Whitcomb. – Ver. by QSL-card. – F. Pl.: New st., 2 VM in town Moree early 1957.
[10]) 3AW, 3CV. – 3AW BROADC. CO. 382 Latrobe Str., Melbourne C 1, Victoria. Cable: Threeaw. – L.P.: Chairman: Sir Frank S. Tait. Mgr.: M. F. E. Wright. Chief Eng.: John Ryan. Chief-Editor: Ken J. Reid. – D.PRGR.:19.00–13.30. – Ver. by QSL-card and letter.
[11]) 3NE – WANGARATTA BROADC. CO. Pty. Ltd., Templeton Str. Wangaretta, Victoria. – L.P.: Man. Dir.: D. C. De la Rue. Chief-Eng.: A. Ireland. – Prgr. Dir.: R. W. Carmichael. – Ver. by QSL-card.
[12]) 2RE – MANNING VALBY BROADC. Pty. Ltd. R.S.L. War Memorial Bldg., Pulteney Str., Taree. – L.P.: Chairman of Dir.: F. H. Summerville. Gen. Mgr.: B. A. Velentine. Chief-Eng.: R. Topp. – Ver. by QSL-card.
[13]) 4BC – COMMONWEALTH BROADC. CORP. (Qld.) Ltd., CBC, House, Cnr. Wharf & Adelaide Str., Brisbane. Cable: Fourbc. – L.P.: Gen. Mgr.: L. C. Hynes. Dir. Prgr.: T. C. McGregor. Chief Eng.: N. J. Bishop. – Ver. by letter.
[14]) 4BH – BROADCASTERS (Aust.) Pty. Ltd., 43 Adelaide Str., Brisbane, Queensland. – L.P.: Chairman: Sir John Chandler k.t. Man. Dir.: V. F. Mitchell. Dir. Frank Chandler. Chief-Eng.: A. R. Judge. – D. Prgr.: D. 19.00–13.00. – Ver. by letter. – F.Pl.: At the end of 1956 new studios and equipments and new Transmission site.
[15]) 7EX – BROADCASTING STATION 7EX, 74 Charles St. Launceston, Tasmania. Cable: Sevenex. – L.P.: Dir.: A. E. Evans. – D. Prgr.: W. 20.30–13.00. Sun. 22.30–12.30. – Ver. by QSL-card.
[16]) 5KA, 5AU, 5RM. – 5KA BROADCASTING CO. Ltf. 43 Franklin Str. Adelaide. – L.P.: Gen. Mgr.: W. L. C. Davies. Chief-Eng.: R. L. Paech. – D. Prgr.: 5KA: 24 h., 5AU, 5RM: 20.00–13.30. – VER. by QSL-card.
[17]) 7SD: P.O. Box 109 Scottsdale. – L.P.: Chairman: K. A. Findlay. Mgr.: B. Scetrine. – Ver. by QSL-card. Postage required.

R. PUCKAPUNYAL (Military)
ADDR.: Puckapunyal, Victoria (near Melbourne).
STATION: 7850 kc/s 38.20 m 0.075 kW: 09.00–11.00 (Tues. only).

★ CANTON ISLAND ★

Local Time: 11 h behind GMT. – Language: English.
RADIO STATION KIBS (The Hermit Crab Network).
(Non-profit, volunteerly operated, U. S. Govt. owned equipment)
ADDR.: C. A. A. Canton Island, Phoenix Group, S. Pacific; U.S.P.O. 06–50000. – L. P.: Mgr. Chief Eng.: George M. Stickles Jr. –
HOME SERVICE: KIBS 1450 kc/s 0.012 kW: Tues. to Sun.: 01.00–11.00, Sun. 21.00–Mo. 11.00. All prgrs. recorded exc. Sun. two local religious prgrs. and "Saturday Nite Jamboree": Sun. 06.00–08.00.
ANN.: "Radio Station KIBS, The Hermit Crab Network, 1450 on your dial; Canton Island". – VER. by letter. Return postage appreciated, but not requested

★ COOK ISLANDS (N.Z. Territory) ★

Local Time: 10½ h. behind GMT. – Language: English.
RADIO RAROTONGA (Govt.)
ADDR.: Radio Department, Cook Island Adm., Rarotonga. – L.P.: Dir. Tec.: D. C. Cunnold. Dir. Prgr.: P. F. Henderson.
HOME SERVICE: ZL1ZA 5050 kc/s 59.41 m 0.35 kW: Thurs. 04.30–05.00.

★ FIJI ★

Local Time: 12 h. ahead of GMT. – Languages: E., Fijian, Hindustani.
INDEPENDENT STATUTORY BODY (Comm.). Advertising accepted in Fijian, Hindustani.
ADDR.: Broadcasting House, Suva. Cable: "Broadcom."
L.P.: Chairman: R. L. Munro LL.B. Mgr.: K. G. Collins.
HOME SERVICE: Mo.-Fri. 18.30–10.30; Sat. 18.30–11.00; Sun. 20.00–10.15. – VRH 930 kc/s 322 m 2 kW – VRH2 840 kc/s 357 m 0.5 kW – VRH3 890 kc/s 337.1 m 2.5 kW – VRH4 3980 kc/s 75.38 m 0.5 kW vertical incidence array.
Simultaneous transmissions in either Fijian (8 h.) or Hindustani (16 h.) each week.
ANN.: "This is the Fiji Broadcasting Commission." – VER. by QSL-card. Return postage required.

★ GILBERT and ELLICE ISLANDS ★ (British Colony)

Local Time: 12 h. ahead of GMT. – Languages: Gilbertese, Ellice, English.
TARAWA RADIO (Gilbert and Ellice Islands Broadc. Service – Govt.)
ADDR.: Tarawa.
L.P.: Chief Wireless Officer: C. W. Adams. Information Officer: R. K. Matioa.
HOME SERVICE:

VTW	844 kc/s	355 m	0.05 kW	Fri. 07.30–09.00*
VSZ10	6050 –	49.59 –	0.5 –	Sun. 04.30–05.15**

*) English. **) Gilbertese and Ellice.
ANN.:Identification in E. at open and close of prgr. on VSZ10. Announcement throughout prgr. in English on VTW. – VER. by letter Postage required.

★ HAWAII (U. S. Territory) ★

Local Time: 10 h behind GMT. – Languages: English, Japanese, Filipino, Chinese.
All stations comm. private exc. VOA.
VOICE OF AMERICA RADIO STATION IN HAWAII;
ADDR.: Voice of America, Washington 25, D. C., U.S.A.
STATIONS: Short Wave: Honolulu 100 kW: 09.00–16.00.
6075 kc/s 49.38 m – 9650 kc/s 31.09 m – 11850 kc/s 25.32 m 15330 kc/s 19.57 m.
DAILY PRGR.: Short Wave. See U.S.A.
ANN.: "This is the Voice of America Radio Station in Honolulu". – VER. by QSL-card.
STATIONS:

Call	kc/s	kW	network	Call	kc/s	kW	network
1) KMVI	550	1	KGU-NBC	8) KAHU	920	1	Indep.
2) KGMB	590	5	CBS	2) KHBC	970	1	CBS
3) KPOA	630	5	MBS	9) KIPA	1110	1	KGU-NBC
4) KULA	690	10	ABC	10) KANI	1150	1	Indep.
5) KGU	760	2.5	NBC	11) KHON	1380	5	Indep.
6) KIKI	830	0.25	Indep.	12) KTOH	1490	0.25	KGU-NBC
7) KILA	850	1	MBS	13) KAIM-FM	95.5 mc/s	1 kW	Indep.

1) ADDR.: Maui Publishing Co. Ltd. Kaahumanu Highway, Wailiku, Maui. – L. P.: Gen. Mgr.: E. J. Crane. St. Mgr.: R. E. Mawson. Chief Eng.: G. Tam. – D. PRGR.: In E.: D. 15.00–09.15, exc.: In Jap.: D. 01.15–03.00. In Fil. D. 15.00–15.30.

2) ADDR.: Hawaiian Broadcasting System. Ltd. 1534 Kapiolani Blvd. Honolulu. – L. P.: Pres. & Gen. Mgr.: J. Howard Worrall. St. Mgr.: M. B. Wright. Dir. Prgr.: R. Costa. Chief Eng.: D. Hunter. – D. PRGR.: KGMB In E., Phil., Jap., Chi. 15.25–08.15. KBHC In E., Jap., Chi. 16.00–09.00.

3) ADDR.: Radio Hawaii, Inc. 575 Kamoku Str. Honolulu. Cable: Kpoahon. – L. P.: Gen. Mgr.: Fin Hollinger. Sales Mgr.: Henry Wilcox. Chief Eng.: Bob Land. – D. PRGR.: 15.15 (Sun. 15.30)–11.00 – In E.: Mo.-Fri. 15.30–23.30, Tues.-Sat. 03.30–11.00. Sat. 15.30–Sun. 02.00. Sun. 04.30–11.00, Sun. 20.55–Mo. 04.45, Mo. 08.00–16.00. – In Jap.: W. exc. Sat. 23.30–02.00, Sun. 17.30–20.55, Mo. 04.45–08.00. – In Fil.: W. 15.15–15.30, Tues.–Sun. 02.0003.00. Sun. 15.30–17.30. – In Chi.: Sun. 03.30–04.30. – VER. by letter or QSL-card.

4) ADDR.: Television Corp. of America, Ltd. 1290 Ala Moana, Honolulu. – L. P.: Gen. Mgr.: J. Burnett, Dir. Prgr.: B. Sevey, Chief Eng.: R. T. Miyahira. – D. PRGR.: In E.: 15.00–10.00.

5) ADDR.: Advertiser Publishing Co. Ltd., Kapiolani & South St., Honolulu. – D. PRGR.: In E., Jap., Phil., 15.00–10.00.

6) ADDR.: Kiki, Ltd. 320 Ward Street, Honolulu. – D. PRGR.: 24 hours a day.

7) ADDR.: Island Broadcasting Co. Ltd., Maniloa Hotel, Kilohana St. Hilo. – D. PRGR.: In E., Jap., Phil.: 15.00–10.00.

8) ADDR.: Rural Broadcasting Co. Ltd., Farrington Highway, Waipahu.

9) ADDR.: Big Island Broadcasting Co. Ltd., 140 Haili Street, Hilo. – D. PRGR.: In E., Jap., Phil.: 16.00–09.00.

10) ADDR.: Windward Broadcasting Co. Ltd. Kaneohe. – D. PRGR.: In E., Jap., Phil.: 16.00–09.00.

11) ADDR.: Aloha Broadcasting Co. Ltd., 1810 Makanoe Lane, Honolulu. – D. PRGR.: 24 hours.

12) ADDR.: Garden Island Publishing Co. Ltd., Lihue, Kauai. – D. PRGR.: 15.30–08.30.

13) ADDR.: Christian Broadcasting Co., 1136 12th Avenue, Honolulu.

★ JOHNSTON ISLAND (U.S. Territory) ★

Local Time: 11 h. behind GMT. – **Language:** English.
ARMED FORCES RADIO SERVICE (U.S. Air Force)
ADDR.: WVTV 6488th Air Base, Squadron, APO105, S. Francisco
WVTV 1120 kc/s 268 m 0.01 kW: 17.00–11.00.

★ MARIANAS ISLANDS (U.S. Territory) ★

Local Time: 10 h ahead of GMT. – **Language:** English, Tagalog, Chomorro.
ULIGA (Majuro): WSZO 1500 kc/s 0.15 kW: W. 22.00–01.00, Sun. 22 00–24 00
RADIO GUAM (Pr. Comm.)
ADDR.: P.O. Box 68, Agana, Guam. Cable: "Kuam". – L. P.: Pres.: Harry Engel. Mgr.: R. Maguire. Dir. Tec.: W. Gambell.
KUAM 610 kc/s 1 kW. – E.: 20.00–06.00, 07.30–14.00 (Sat. 15.00)
N.: W. 21.00, 22.00, 00.01, 02.15, 03.15, 05.55, 08.00, 09.00, 12.00.
Tag. (Philippine): 07.00–07.30. – Chomorro: 06.00–07.00.
ANN.: "Kuam Agana, Guam". – VER. by letter.

★ MIDWAY ISLAND (U. S. Territory) ★

Local Time: 11 h. behind GMT. – **Language:** English.
RADIO STATION KMTH (U.S. Navy).
ADDR.: The Voice of the Mid. Pacific, United States Navy 3080, Fleet Post Office, San Francisco, Calif U. S. A. – STATION: KMTH 900 kc/s 0.05 kW: 18.00–11.00.

★ MARSHALL ISLANDS (U.S. Trust Terr.) ★

Local Time: 12 h. ahead of GMT. – **Language:** English.
ENIWETOK (AFRTS Military):
WXLE 1385 kc/s 217 m 0.25 kW: D. 18.00–15.00.
ADDR.: APO 187 kc/s P.M. San Francisco, Calif. U.S.A.
KWAJALEIN (AFRTS-Navy):
WXLG 1140 kc/s 0.25 kW.: D. 18.00–15.00.
ADDR.: AFRS Navy 824, Box 23, c/o Fleet Post Office, S. Francisco, Calif., U.S.A.

★ NEW CALEDONIA (French Terr.) ★

Local Time: 11 h. ahead of GMT. – **Language:** French.
RADIO NOUMEA (Govt.)
ADDR.: Service de l'Information, Mont Coffin, Noumea. –L. P.: Dir. Roger le Leizour. Secr.: Mme Madeleine Charbonneaux. Editor: Guy Pascal. Announcer: Raymond Lacroix.
STATIONS: 3355 kc/s 89.42 m 0.5 kW – 6035 kc/s 49.71 m 1/6 kW*
* day 1 kW, nights 6 kW.
D. PRGR.: W.: 19.00–20.00, 00.00–02.00, 07.00–10.30. Sun. 21.00–02.00, 07.00–10.30.
N.: W.: 19.30, 19.55, 00.00, 01.00, 07.00, 08.00, 10.25. – Weatherrep.: W.: 00.00, 01.15, 01.55, 07.00, 08.00, 08.15, 10.25.
ANN.: "Noumea, La Voix de la France dans le Pacifique". – VER. by QSL-card. Return postage not required. – F. PL.: A weekly broadcast in English (1/2 h.) from January 1957.

★ NEW GUINEA (Netherlands) ★

Local Time: 9½ h. ahead of GMT. – **Language:** Dutch.
RADIO OMROEP NIEUW GUINEA (Govt.)
ADDR.: R.O.N.G., P.O. Box 505, Biak – L. P.: Mgr.: A.H.R. Hoogezand. Adm.: D. van Os. Chief-Eng.: W. de Vries.
HOME SERVICE in Dutch: 5045 kc/s 59.46 m 5 kW: D. 09.00–12.30. 7190 kc/s 41.72 m 5 kW: Mo.-Fri. 00.30–01.30. Sat. 03.00–05.00. Sun. 23.30–04.30.
Request Prgr.: Tues: 10.45–11.45. – Time Sig.: 09.00, 10.30, 12.30 on 5045 kc/s.
ANN.: "Hier is Biak, Radio Omroep Nieuw-Guinea".
INT.-SIG.: "Wij leven vrij leven blij": sol do sol mi do mi sol sol sol. – VER. by QSL-card. If possible return postage.
RADIO SORONG (Priv.).
ADDR.: Dutch New Guinea Petroleum Company, Sorong.
STATION: 3395 kc/s 88.37 m 0.5 kW.
HOME SERVICE: W. exc. Wed., Sat.: 09.30–12.00. Sun.: 01.30–03.30, 09.30–12.00.
ANN.: "Hier Radio Sorong". – INT.-SIG.: "Swedish Rhapsody".

★ NEW GUINEA (Austral. Terr.) ★

R. Port Moresby (Papua): see Australian Broadcasting Commission

★ NEW ZEALAND ★

Local Time: 12 h. ahead of GMT. – **Language:** English.
RADIO NEW ZEALAND (Govt.)
ADDR.: The Director, New Zealand Broadcasting Service, P.O. Box 98, Wellington .Cable: Broadserv..
L. P.: Dir. Gen.: William Yates. Chief Eng.: W. L. Harrison.
HOME SERVICE in English:

		kc/s	m	kW	
Wellington	2YA	570	526	60	17.00–11.20
Wellington	2YC	660	455	60	05.00–11.00
Christchurch	3YA	690	434	10	18.00–11.20
Invercargill	4YZ	720	416	5	19.00–11.20
Auckland	1YA	760	395	10	18.00–11.20
Dunedin	4YA	780	384	10	18.00–11.20
Rotorua	1YZ	800	375	10	19.00–10.30
Napier	2YZ	860	349	5	19.00–10.30
Auckland	1YZ	880	341	10	06.00–11.00
Dunedin	4YC	900	333	10	05.00–11.00
Greymouth	3YZ	920	326	10	19.00–10.30
Palmerston	2ZA	940	319	2	18.00–10.30
Christchurch	3YC	960	312	10	05.00–11.00
Whangarei	1XN	970	309	2	18.00–10.30
Wellington	2ZB	980	306	10	18.00–12.00
Gisborne	2XG	1010	297	2	18.00–10.30
Dunedin	4XB	1040	288	10	18.00–12.00
Auckland	1ZB	1070	280	10	18.00–12.00
Christchurch	3ZB	1100	273	10	18.00–12.00
Wellington	2YD	1130	265	0.5	07.00–10.00
Timaru	3XC	1160	258	2	18.00–10.30
Gisborne	2XM	1180	254	0.09	21.15–10.00
Wanganui	2XA	1200	250	2	18.00–10.30
Auckland	1YD	1250	240	0.75	05.00–10.00
Hamilton	1XH	1310	229	2	18.00–10.30
Nelson	2XN	1340	224	2	18.00–10.30
New Plymouth	2XP	1370	219	2	18.00–10.30
Wellington	2YX	1400	214	1	07.30–10.30
Dunedin	4XD	1430	210	0.06	06.00–10.30

News: D.: 18.00, 19.00, 20.00, 06.30 (BBC) 09.02. – Weatherrep.: English: 09.00, 19.15, 21.00, 00.30. – Religious Prgr.:: W. 22.10. Sun. 07.00, 23.00. – Time Sig.: 18.00, 19.00, 20.00, 23.00, 00.30, 04.00, 06.30, 07.00, 10.00, 11.00.
FOREIGN SERVICE: Radio New Zealand 7.5 kW.
ADDR.: The Director, Radio New Zealand 2396, Wellington. Cable: Natbroadcast. – L. P.: St. Mgr.: A. L. Curry. – Prgr. Officer: K. S Avery.

	kc/s	m		kc/s	m		kc/s	m
ZL20	6020	49.83	ZL8	9620	31.19	ZL5	17770	16.88
ZL7	6080	49.34	ZL3	11780	25.47	ZL14	17820	16.84
ZL11	6130	48.94	ZL9	11810	25.40	ZL15	21480	13.97
ZL12	7220	41.55	ZL19	11830	25.36	ZL16	21580	13.90
ZL13	7290	41.15	ZL10	15220	19.71	ZL6	25800	11.63
ZL18	9520	31.51	ZL4	15280	19.63	ZL17	26000	11.54
ZL2	9540	31.45						

Two of the frequencies are used simultaneously, and as the programme service is intended primarily for Australia and the Pacific islands the present aerials are beamed in those two directions.
To Australia: Mo. to Fri. 20.00–10.45. Sat. 20.00–11.20. Sun. 20.00–10.00. – To Pacific Isl.: Mo. to Fri. 17.00–10.45. Sat. 17.00–11.20. Sun. 17.00–10.00.
N. Zealand News: 00.30, 08.30, 10.30.Religious: W. 22.10. Sun. 23.00.
National Music: Thurs. 09.00. Sun. 07.30 (English, Maori).
DX-programmes: First Wed. in each month 09.30. – Mailbag: Fri. 09.15. – Prgr. Preview: D. 07.02. – Time Sig.: D. 07.00.
ANN.: "This is New Zealand Calling". – INT. SIG.: Call of the native bird – The Bell Bird. (At 5 second intervals). – VER. by QSL-card. Return postage not required. – F.PL.: New aerial system under construction. – PUBLICATIONS: Weekly: The Listener 30/-d (N.Z.) per annum. Quarterly: New Zealand's prgr. schedule (free on request).

★ NORFOLK ISLAND (Austral. Terr.) ★

Local Time: 11½ h. ahead of GMT. – **Language:** English.
NORFOLK ISLAND BROADCASTING SERVICE (Govt.)
ADDR.: Dept. of Civil Aviation, Norfolk Island. 1500 kc/s 200 m.

★ PHILIPPINES ★

Local Time: 8 h. ahead of GMT. – **Language:** English, Tagalog, Visayan.
BACOLOD BROADCASTING CORP. (Priv. Comm.).
ADDR.: Lacson Street, Bacolod City, Negros Occidental.
L.P.: Pres.: Mario Lizares. Exec. Sec. and Man.: C. R. del Rósario
HOME SERVICE: The Voice of Bacolod.
DYBR 1120 kc/s 267.9 m 1 kW: 21.58–14.00.
VER. by QSL-card or letter.
BOLINAO ELECTRONICS CORP. (Comm.–ABS.–Network).
ADDR.: P.O. Box 1344, Manila. – DZAQ, DZBC: 5th Floor, Republic Super Market Building, Manila. – DZRI: Blue Beach, Dagupan City – HOME SERVICE: DZRB: El Morrocco Hotel, Naga City.
DZAQ 620 kc/s 5 kW: 21.00–16.00 English/Tagalog.
DZBC 1000 kc/s 1 kW – DZI2 9550 kc/s 31.41 m 2 kW: 21.00–18.00
DZRI 1040 kc/s 1 kW: 21.00–14.00. – DZRB 1060 kc/s 1 kW: 21.00–14.00.

CAGAYAN DE ORO CALLING (Comm.)
ADDR.: Cagayan Electronics Bldg., Del Mar Str., Cagayan de Oro City. – HOME SERVICE:DXCC 1560 kc/s 0.5 kW: 02.00–14.00 in E., Visayan. – Voice of America (rel.): D. 01.00 (exc. Mo.).

CHRONICLE BROADCASTING NETWORK (Comm.)
ADDR.: Aduana Str. Intramorus, Manila. – L.P.: Owner: E. Lopez. Gen. Mgr.: E. Lopez Jr. Network Mgr.: E. Garcia.
HOME SERVICE: The Voice of the People:
DZXL 960 kc/s 50 kW – DZYL-FM 102 mc/s 0.92 kW: 21.00–16.00.
Radio Reloj: DZQL 1160 kc/s 1 kW 24 h. daily.

FAR EAST BROADCASTING CO. (The Call of the Orient)
(Non-Commercial Missionary Broadcasting Service).
ADDR.: Box 2041, Manila, P.I. Cable: "Febcom". – L.P.: Pres.: J. C. Broger. Vice-Pres.: R. H. Bowman. Exec. Secr.: W. J. Roberts. Prgr. Supervisor: R. Kaufman. Electronics: N. Blake.
HOME SERVICE: 21.00–06.00, 08.00–15.30.
DZAS 680 kc/s 441.2 m 6 kW – DZFE 1030 kc/s 291.5 m 1 kW – DZB2 3345 kc/s 89.68 m 2 kW d. – DZH6 6030 kc/s 49.75 m 2 kW d. N. in E.: 00.00, 04.00, 10.00, 14.00, 21.45, 23.00.
On 1030 kc/s: 10.00–13.00. Entirely a highclass music station.
OVERSEAS SERVICE to Asian countries:
DZH7 9730 kc/s 30.83 m 10 kW – DZH8 11855 kc/s 25.31 m 10 kW
DZH9 15300 kc/s 19.60 m 2 kW – DZI6 17805 kc/s 16.85 m 1.5 kW

21.00–23.00	9730, 11855, 15300	04.30–06.00	as 23.45
23.00–23.45	as 21.00 and 17805	06.00–06.15	as 23.00
23.45–01.45	11855, 15300, 17805	06.15–08.00	15300, 17805
01.45–04.30	as 23.00	08.00–17.00	as 23.00

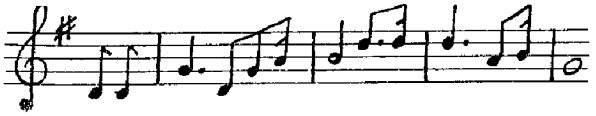
Weekdays:

21.00 Music	01.15 Kanarese.	05.00 Amoy.	11.00 Jap.
21.30 Jap.	01.30 Tamil.	05.30 Chi.	11.30 Swatow
22.15 Vietnamese	01.45 Music	06.00 E.	11.45 Lao
22.35 Ind.	02.00 Chi.	06.15 Karenese.	12.00 Thai
23.00 Chi.	03.00 Music	06.30 Hindi	12.30 Cambo.
23.30 E.	03.30 Jap.	08.00 E.	12.45 Vietnm.
24.00 Thai	04.00 Music	09.15 Ind.	13.00 Chi.
00.30 Tibetan	04.15 Vietnamese	09.30 Amoy.	14.00 E.
00.45 Bengali	04.30 E.	10.00 Russian	15.15 Mailbag
01.00 Urdu	04.45 Cambodian	10.30 Music	16.00 Chi.
			16.30 Russian

Sundays:

21.00 Music	01.30 Hindi	05.30 Chi.	11.30 Swatow
21.30 Jap.	02.00 Chi.	06.00 E.	11.45 Lao.
22.15 Vietnm.	03.00 E.	06.15 Karenes.	12.00 Thai.
22.35 Ind.	03.30 Jap.	06.30 E.	12.30 Cambd.
23.00 Chi	04.00 Music	09.30 Chi.	12.45 Vietnm.
23.30 Music	04.15 Vietnm.	10.00 E.	13.00 Chi.
23.45 Lao	04.30 E.	10.15 Ind.	14.00 E.
24.00 Thai	04.45 Cambd.	10.30 E.	16.00 Chi.
00.30 E.	05.00 Amoy.	11.00 Jap.	16.30 Russian

ANN.: "This is the Call of the Orient" or "This is the Far East Broadcasting Company, Manila." Station announcements in English are given every half-hour (Calll., kc/s and the time in the Phillippines). – VER. by QSL-card.
INT.-SIG.: For Home and Foreign Sce.: On the hour only.



MANILA BROADCASTING COMPANY (Comm.)
ADDR.: Radio Center Philippines, 964 Taft Avenue, Manila. Cable: "MANBROADCO.".
L.P.: Pres. & Gen. Mgr.: Maestro Federico Elizalde. Comptroller & Treasurer: Guillermo Hernandez. Sales Dir.: Ira Davis. Eng. Dir.: John M.Palmer. Program Dir.:Albert Card. PRO. Dir.: Rafael Yabut. Program Coordinator: Jess Fernandez. Technical Supervisor: Magno Santos. Chief, Transmitter Site: Jose O. Ibarra, Jr. Studio Supervisor: Antonio Zulueta. Chief of Personnel: Ricaredo Esplanada.
STATIONS:

Calll	kc/s	m	kW	name	h. of tr.
DZRH	650	461.0	10	1) Voice of the Philippines	21.00–16.00
DZH4	6000	50.00	1		
DZH2	9640	31.12	1		
DZMB	760	394.7	1	2) Voice of Manila	21.00–16.00
DZI7	6080	49.34	0.25		
DZPI	800	375.0	10	3) Radio Philippines	21.00–16.00
DZH3	9500	31.58	1		
DYRC	600	500.0	1	4) Voice of Cebu	21.00–15.00
DYH2	6140	48.85	0.5		
DYBU	1260	238.0	1	4) Radio Cebu	21.00–15.00
DZHF	1250	240.0	1	Metropolitan	22.00–01.00 (Sun. 04.00)
				5) Broadc. Co.	10.00–17.00

THE VOICE OF THE PHILIPPINES – (1)
ADDR.: RADIO CENTER-PHILIPPINES, 964 Taft Avenue, Manila. – L.P.: Production Mgr.: Angelo Castro. Chief Announcer: Ray Cordova.
HOME SERVICE: In E., Tag., Chi.: N. in E.: W. 00.00, 05.05, 13.00. – Weatherrep.: Usually in the mornings. In the presence of a storm in the archipelago several times during the day. – Chinese Hour: Mo.-Sat.: 06.00–06.30. – (Announcer Mary Yu). – VER. by QSL-card. Return postage required.

THE VOICE OF MANILA – (2)
ADDR.: RADIO CENTER – PHILIPPINES, 964 Taft Avenue, Manila. – L.P.: Production Mgr.: Cris de Vera. Chief Announcer: Jose Salazar.
HOME SERVICE: In E., Tag.: N. in E.: D. 05.15. (Announcer Cris de Vera). – VER. by QSL-card. Return postage required.

RADIO PHILIPPINES – (3)
ADDR.: RADIO CENTER–PHILIPPINES, 964 Taft Avenue, Manila. L.P.: Production Mgr.: Phil Delfino. Chief Announcer: Antonio Yatco.
HOME SERVICE: In E., Sp., Tag.: N. in E.: D. 01.00. – In Sp.: "La Taberna": D. 04.30–05.15. (Announcer: Teresita Garcia). – VER. by QSL-card. Return postage required.

CEBU BROADCASTING COMPANY ("Voice of Cebu" & "Radio Cebu"). (4)
ADDR.: Lim Bon Fing Building, Cebu City. – L.P.: Mgr. & Sales Director: Roberto M. Garcia. Dir. of Prgr.: Virginia P. Vamenta. Chief Eng.: Alicia Maglaya. Dir. Pres. & Inform.: Greg. M. Mercado.
HOME SERVICE: In E. & Vis.: N. in E.: Sun. 03.15, Mo.-Sat.: 23.15, 05.00, 08.30, 13.45. (Announcer: S. D. Tecson).
INT.-SIG.: For Station DYRC musical chimes: Sol-mi-do. – VER. by QSL-card. Return postage required. – F.PL.: DYRC to be increased to 5 kW.

METROPOLITAN BROADCASTING COMPANY (5) 1250 on your dial maintaining the highest traditions of home and family.
ADDR.: RADIO CENTER–PHILIPPINES, 964 Taft Avenue, Manila. – L.P.: Production Mgr.: Gus Gonzales.
HOME SERVICE: In E. & Tag.: N. in E.: D. exc. Sat. 23.00. – National Music (Native Melodies): Sun.: 10.13–11.00. – (Announcer: Angelo Castro).
VER. by QSL-card. Return postage required. – F.PL.: M.B.C. may install new stations in Bacolod City and Davao City, which will be in operation before the end of 1957.

THE MINDANAO COLLEGES BROADC. SYSTEM (Comm.).
ADDR.: Davao City, Mindanao.
HOME SERVICE: E., Vis.: 22.00–05.00, 07.00–14.00.
DXMC 900 kc/s 300.0 m 1 kW – DXH2 3950 kc/s 75.95 m 0.3 kW.
ANN.: "This is MCBS, The Mindanao Colleges Broadcasting System, DXMC, The Voice of Davao, broadcasting from the heart of Davao".

NATIONAL BROADCASTING SYSTEM, Manila
DZMY 830 kc/s 5 kW. – Languages: E., Sp., Tag., Chi., local dialects.

NATIONAL CIVIL DEFENSE ADMINISTRATION (Govt.).
ADDR.: Independence Grandstand, Luneta, Manilla. – L. P.: Dir.: Alfr. G. Eugenio.
HOME SERVICE in E., local dialect.: DZCA 1 kW:
Manila 540 kc/s 556 m – 3305 kc/s 90.77 m – 5970 kc/s 50.25 m. Iloilo 3365 kc/s 89.15 m – Mindanao 3292 kc/s 91.10 m 09.00–12.00 on 540, 3305 ,3365, 3292 kc/s: National Music: 09.00. – N. in E.: 09.45. – Tagalog Music and Bureau of Lands Rondalla: 10.00–10.30. – N. in Tag.: 10.30. – U S Embassy Tape Rec.: 10.45. – Civil Defense Talks: 11.00. – Music: 11.15–12.00. – VER. by QSL-card and letter.

THE PEOPLES STATION (Govt. Comm.).
ADDR.: 4th Floor, City Hall, Manila. – Cable: DZFM Manila.
L.P.: Managing Dir.: F. Trinidad. Prgr. Dir.: E. Avelino. Chief-Eng.: J. Dy.
HOME SERVICE: D. 21.30–15.00 in English & Tagalog:

	kc/s	m	kW		kc/s	m	kW
DZFM	710	422.5	10	DUH3	9570	31.35	0.25
DUH2	6170	48.62	1	DUH4	9615	31.20	0.25
				DUH5	11840	25.34	0.25

English: N.: 21.40–21.45[1]), 23.45–24.00[2]), 04.30–04.45[2]), 04.45–04.55[1]), 12.45–13.00[2]), 14.00–14.15[3]). – Weatherrep.: 21.05–21.15, 23.30, 04.30, 08.00–08.15, 14.15–14.30. – Voice of America (rel.): W. 02.15. – Philippine Music: 10.30–11.00 (or 10.45).
VER. by QSL-card or letter. [1]) Armed Forces. [2]) Home & Foreign. [3]) Foreign.

PHILIPPINE FEDERATION OF CHRISTIAN CHURCHES AND SILLIMAN UNIVERSITY (Non-comm., Educ., Religious).
ADDR.: Station DYSR, Dumaguete City. – L.P.: Dir. Adm.: H. W. Mack. Dir. Prgr.: C. Barnardez. Dir. Tec.: W. E. Haney.
HOME SERVICE in E., Vis.: D.: 22.00–01.30 (Sun. 02.00), 09.00–14.00.

DYSR 840 kc/s 357.1 m 1 kW – DYB4 3277 kc/s 91.55 m 0.3 kW DYH4 6055 kc/s 49.55 m 0.25 kW d. north, south.
N. in E.: 09.00, Wed. 11.30, 12.00 (local). – **VOA Rebroadcast.:** Sun. 22.00–22.15, W. 21.00–21.15. – **Mailbag:** Wed. 11.30. – **Weatherrep.:** D. 11.30–22.00. – **Visayan Music:** Tues., Thurs. 00.15–00.30, Mo. 10.15–10.30. – **Voice of America (rel.):** W.: 21.45, 23.30. Sun. 22.00.
ANN.: "This is the Voice of Christian Brotherhood, DYSR, broadcasting from Dumaquete City on 840 kc/s medium waves and on two shortwave stations in the 91 and 49 meter bands". –
Ver. by QSL-card or letter.

THE PIONEER STATION (Priv.-Comm.).
ADDR.: Apo View Hotel Bldg., Davao City, Mindanao. – **L.P.:** Owner A. J. Wills. – DXAW 1180 kc/s 1 kW: 22.00–14.00 in E., Vis.

THE REPUBLIC BROADCASTING SYSTEM (Comm.).
ADDR.: Radio Station DZBB, 4th Floor, Calvo Building, Escolta, Manila. – Cable: "Bobstew". – **L.P.:** Pres. and Gen. Mgr.: Robert L. Stewart. Traffic and in-charge of operations: George E. Viduya.
HOME SERVICE in E., Chi., Tag.: D. 21.00–18.00. – DZBB 580 kc/s 517.2 m 10 kW. – DDB3 3945 kc/s 76.05 m 7.5 kW. – DZI4 6110 kc/s 49.1 m 7.5 kW. – DZI5 11940 kc/s 25.13 m 10 kW.

VISAYAN BROADCASTING SYSTEM (The Voice of Panay Comm.).
ADDR.: 3rd Floor, Masonic Temple, Plaza Libertad, Iloilo City. – DYRI 1280 kc/s 1 kW: 21.00–14.00.

VOICE OF AMERICA RADIO STATION IN NORTHERN LUZON
ADDR.: Voice of America, Washington 25, D.C., U.S.A.
STATIONS:
Medium Wave: Philippines-B 1140 kc/s 263 m 1000 kW 10.00–22.30
Short Wave: Philippines 35 kW: 05.00–06.00, 08.30–02.30.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6060	49.50	15130	19.83	17780	16.87	25700	11.67
11735	25.56	15200	19.74	21570	13.91		
11790	25.45	15215	19.72	21630	13.87		

DAILY PRGR.: Medium Wave:

10.00–10.30	Music	13.30–14.00	English
10.30–11.00	Mandarin	14.00–14.30	Thai
11.00–11.30	Amoy	14.30–15.00	Burmese
11.30–12.00	Cantonese	15.00–15.30	Mandarin
12.00–12.30	Mandarin	15.30–16.00	Vietnamese
12.30–13.00	Vietnamese	16.00–16.30	English
13.00–13.30	Amoy	16.30–22.30	Mandarin/Cantonese

Short Wave: See U.S.A.
ANN.: "This is the Voice of America Radio Station in Northern Luzon, the Philippines". – VER. by QSL-card.

VOICE OF AMERICA RADIO STATION IN MANILA
ADDR.: Voice of America, Washington 25, D.C., U.S.A.
STATIONS:
Medium Wave: Manila-A 920 kc/s 326 m 50 kW 10.30–16.00, 23.30–24.00
Short Wave: Manila 7.5/50 kW 08.30–16.00, 22.00–01.30

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6060	49.50	9670	31.02	15250	19.67	17760	16.89
6120	49.02	11765	25.50	15270	19.65	17780	16.87
9590	31.28	11960	25.08				

DAILY PRGR.: Medium Wave:

10.30–11.30	Mandarin	14.00–14.30	Amoy
11.30–12.00	Cantonese	14.30–15.00	Cantonese
12.00–12.30	Mandarin	15.00–15.30	Mandarin
12.30–13.30	Cantonese	15.30–16.00	English
13.30–14.00	English	23.30–00.00	English

Short Wave: See U.S.A.
ANN.: "This is the Voice of America Radio Station in Manila". – VER. by QSL-card.

MILITARY STATIONS
ARMED FORCES RADIO SERVICE (Govt. Military)
Clark (Air Force): 1300 kc/s 230.8 m 0.05 kW
Sangley Point (Navy) KTLG: 1300 – 230.8 – 0.05 –
Subic Bay (Navy) KCMB: 1520 – 197.4 – 0.2 –
KCMB: Addr.: Navy 3002, c/o PFO, S. Francisco, Calif., U.S.A. – **D. Prgr.:** W. 22.00–16.00 (Sat. 18.00). Sun. 00.00–16.00. – **KTLG: Addr.:** U.S. Naval Station 961, c/o FPO, S. Francisco, Calif., U.S.A.

★ RYUKYU ISLANDS ★

Local Time: 9 h. ahead of GMT. – **Languages:** English, Japanese.

VOICE OF AMERICA RADIO STATION IN OKINAWA
ADDR.: Voice of America, Washington 25, D.C., U.S.A.
STATIONS:
Medium Wave: Okinawa-A 1180 kc/s 254 m 1000 kW 10.30–22.30
Short Wave: Okinawa 35 kW 08.30–23.00
6145 kc/s 48.82 m – 7160 kc/s 41.90 m – 9630 kc/s 31.15 m – 9635 kc/s 31.14 m – 11835 kc/s 25.35 m – 15380 kc/s 19.51 m – 17830 kc/s 16.83 m.

DAILY PRGR.: Medium Wave:

10.30–11.00	Mandarin	14.00–14.30	Mandarin
11.00–11.30	Russian	14.30–15.00	English
11.30–12.00	Ukrainian	15.00–15.30	Mandarin
12.00–12.30	Mandarin	15.30–16.00	Russian
12.30–13.00	Russian	16.00–20.00	Mandarin
13.00–13.30	Korean	20.00–20.30	Russian
13.30–14.00	English	20.30–22.30	Mandarin

Short Wave: See U.S.A.
ANN.: "This is the Voice of America Radio Station in Okinawa". – VER. by QSL-card.

FAR EAST NETWORK (U.S. Govt. AFRTS)
ADDR.: Box 461, Ft. Buckner (Okinawa), APO 331, S. Francisco. – **L. P.:** Mgr.: D. R. Standiford. Dir. Tec.: W. J. Wolfe. Prgr. Dir.: George J. Hudak. Continuity Dir.: Don W. Hofman. – STATION: 630 kc/s 1 kW 24 h. – Mobile Broadcast Unit 2695 kc/s 111 m 0.25 kW.
ANN.: "This is the Far East Network, Okinawa". – VER. by letter.

RYUKYUS BROADCASTING CORP. (Comm.)
Owned by the University of the Ryukyus Fund Raising Foundation and leased to a group of Ryukyan business men for commercial operation.
ADDR.: C.P.O. Box 186, Naha. Okinawa. Cable: Rykbroadco. – **L. P.:** Pres. and Gen. Mgr.: Seitoku Zayasu, Adm. KSAR: Seijiro Hirakawa. St. Mgr. KSBK: E. R. (Bob) Smith. Man. Adviser: Bill Conini. Chief Radio Branch, USCAR-CI and E, APO 331, S. Francisco.
HOME SERVICE: KSAR 740 kc/s 3 kW. – **In Jap.:** 21.00–15.00. – **Religious:** Sun. 23.30. KSBK 880 kc/s 341 m 0.5 kW. – **In E.:** 20.30–15.00. – **Religious:** Sun. 12.00. – **Language Lessons:** English 06.00–06.30. – VER. by letter. Return postage required.

★ SAMOA ★

Local Time: 11 h. behind GMT. – **Language:** English, Samoan.

WESTERN SAMOA (N. Z. Trust Territory)
ADDR.: Broadcasting Department, Government of Western Samoa, Box 200 Apia. – Cable: "Voxpac". – **L.P.:** Dir. of Broadcasting: M. R. Sagger. Chief Technician: F. G. Burrow.
HOME SERVICE from 2AP Apia: 1420 kc/s 211.3 m 2 kW.
W. 18.00–19.30 in E. – Mo.–Fri.: 19.30–20.30 School Broadc. in E., Samoan. – Mo., Wed., Fri., Sat.: 05.30–07.00 in E., Samoan, 07.00–09.00 in Samoan. – Sun.: 05.30–08.00 in E., Samoan.
ANN.: "This is Station 2AP Apia, W. Samoa. – VER. by QSL-card.

EASTERN SAMOA (U.S. Territory).
RADIOSTATION WVUV
ADDR.: Office of Information and Adult Education, Pago Pago, American Samoa.
L.P.: Adm. Asst.: F. F. Fau'olo. Press and Information: N. Fuiteleleapaga. Chief Eng.: M. Marin. Chief Editor: M. Le'oso.
HOME SERVICE in English and Samoan: WVUV 1120 kc/s 267.8 m 0.05 kW: Mo. to Fri.: 20.00–22.00, 07.00–10.00. Fri. 20.00–Sat. 07.00. From Sat. 23.00–Sun. 03.00.
ANN.: **E.:** "This is Station WVUV, Pago Pago, American Samoa". – **Samoan:** "Ole Si' ufofoga lenei o Fa'aaliga ma A'oa' oga mo Fagata Matutua, le WVUV, i Pago Pago, Amerika Samoa". – **INT.-SIG.:** Station identification, time break, and theme songs every 15 mins. from Mo. to Fri. – VER. by letter. – **F.PL.:** Increase of power to 0.25 kW 1958. – **PUBLICATIONS:** Weekly information paper and a daily news sheet in English.

★ SOLOMON ISLANDS (British) ★

Local Time: 11 h. ahead of GMT. – **Language:** English, Vernaculars.

SOLOMON ISLANDS BROADCASTING SERVICE (Govt.)
ADDR.: Public Relations Officer, Western Pacific High Commission, Honiara. – Cable: VQO Honiara.
L.P.: Posts and Telegraph Dept. in conjunction with Public Relations Officer.
STATIONS: VQO 1030 kc/s 291 m 0.4 kW – VQO2 5960 kc/s 50.3 m 0.1 kW. D. 07.00–08.00 exc. Wed., when Solomon Islanders prgr. runs from 06.30–08.00.
Prgr. incl. news in E. and pidgin-E., shipping information, weatherrep., requestprgr. and prgr. for Melanesians. – VER. by letter.

★ TAHITI ★

Local Time: 10 h. behind GMT. – **Language:** Tahitienne, French, English.

RADIO TAHITI (Govt.).
ADDR.: Radio Tahiti, Papeete. – **L.P.:** Dir. Information: M. Baudoin. Asst. Dir.: M. Espinasse.
HOME SERVICE: 6135 kc/s 48.90 m 4 kW
In Tahitian: 03.30–05.00, 22.05–22.15. **Mailbag:** Sat. 04.30. **Weatherrep.** 04.15. – **In French:** 05.00–07.30, 22.15–23.00. **National Music:** Tues. 06.20. **N.:** D. 05.30. **Weatherrep.:** D. 22.15. – **In English:** 07.30–07.45.
ANN.: "Ici Radio-Tahiti, la voix de la France". – **INT.-SIG.:** Tahitian Drums. – **VER.** by letter.

NORTH AMERICA

★ ALASKA (U.S. Territory) ★

Local Time: Ketchikan to Skagway: 8 h. behind GMT; Skagway to 141 deg. W. long: 9 h. behind GMT; 141 deg. W. long to 162 deg. W. long: 10 h. behind GMT; 162 deg. W. long to Westernmost Point: 11 h. behind GMT. – **Language:** English.

Call	kc/s	kW	Location	Call	kc/s	kW	Location
KENI	550	5	Anchorage	KTKN	930	1	Ketchikan
KFAR	610	5	Fairbanks*	KIFW	1230	0.25	Sitka
KJNO	630	0.5	Juneau	KBYR	1270	1	Anchorage
KFAR	660	10	Fairbanks**	KIBH	1340	0.25	Seward
KFQD	730	10	Anchorage	KSEW	1400	0.25	Sitka
KINY	800	5	Juneau	KLAM	1450	0.25	Cordova
KFRB	900	10	Fairbanks				

* Operating temporarily on 660 kc/s. – ** Temporary operation.

ARMED FORCES RADIO AND TELEVISION SERVICE

Call	kc/s	kW	Locat.	Call	kc/s	kW	Locat.
AFRS-4	570	0.25	Galena A)	WXLL (AFRS-1)	980	0.1	Big Delta
AFRS-5	590	0.5	Nome	AFRS	980[2])	0.05	Barter Isl.
AFRS-6	620	0.25	Fairbks.*	AFRS	980[2])	0.25	King Salm.
AFRS-7	850	0.25	Anchorage	AFRS	1360[2])	0.05	Elmendorf AFB
WVCQ (AFRS-2)	960[1])	0.25	Kodiak	AFRS	1360[2])	0.05	Ladd AFB
AFRS-3	970[1])	0.25	Adak Isl.	AFRS	1400[2])	0.05	Eils. AFB

* provisional operation – [1]) Navy station – [2]) Air Force station.
A) AFRS, Box 24, Galena. – St. Mgr.: Quinton L. Scott. Chief Eng.: Louis J. Kelly. – **D. PRGR.:** 24 hours – **VER.** by letter.

★ CANADA ★

CANADIAN BROADCASTING CORPORATION
INTERNATIONAL SERVICE (Publicly owned).
ADDR.: Canadian Broadcasting Corporation, International Service, P.O. Box 6000, Montreal, Canada. – **Cable:** "Intrad".
L.P.: Dir.: C. R. Delafield, Supervisor of Sections: A. L. Pidgeon. Supervisor of Engineering Services: J. M. Laporte. Press and Information Representative: H. Shane.
STATIONS: All international s.w. broadcasts from Canada are directed by CBC International Service, which is owned by the people of Canada. All prgrs. are produced in Montreal and beamed from two 50 kW transmitters at Sackville, New Brunswick, near the Atlantic Coast. The CBC International Service was inaugurated Feb. 25, 1945.

	kc/s	m		kc/s	m		kc/s	m
CKNA	5970	50.25	CKLO	9630	31.15	CKLX	15090	19.88
CKRZ	6060	49.50	CKXA	11705	25.63	CKCX	15190	19.75
CKOB	6090	49.26	CHOL	11720	25.60	CKCS	15320	19.58
CHAC	6160	48.70	CKRA	11760	25.51	CKNC	17820	16.84
CKLP	9585	31.30	CKEX	11900	25.21	CKRP	21600	13.89
CHLS	9610	31.22	CKNK	11945	25.12	CHLA	21710	13.82

EUROPEAN SERVICE:

	Winter Nov.–Febr. m b	Equinox March–April Sept.–Oct m b	Summer May–Aug. m b
12.00–17.00	19–16	19–16	19–16
17.00–18.00	25–19	25–19–16	19–16
18.00–19.30	31–25–19	25–19–16	25–19–16
19.30–21.30	49–31–25	31–25–19	25–19–16

Daily programs:
11.55–12.35 For Canadian Forces in Europe (Mo. to Fri. only).
11.55–13.00 Czech (Sat. only).
12.55–14.05 For Canadian Forces in Europe (Sun. only).
13.00–14.05 For Canadian Forces in Europe (Sat. only).
13.25–14.05 For Canadian Forces and Programs for Europe (Mo. to Fri.).
14.05–14.15 Announcements, Program Preview.
14.15–14.45 Russian
14.45–15.15 Ukrainian
15.15–16.00 Programs for Europe
16.00–16.30 Polish
16.30–17.00 Czech
17.00–17.30 German
17.30–18.00 Russian
18.00–18.15 Polish
18.15–18.30 Slovak
18.30–19.00 Prgr. for Europe
19.00–19.30 Czech
19.30–20.00 German
(Mo. to Fri.).
17.30–18.00 Swedish
18.00–18.30 Norwegian
18.30–19.00 Danish
19.00–19.30 Dutch
19.30–20.00 Italian
(Sat., Sun. only)
20.00–20.30 French (Daily).
20.30–21.00 English –
21.00–21.30 Russian –

LATIN AMERICAN SERVICE:

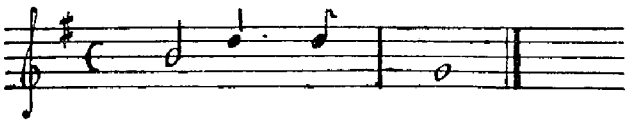
	Winter Nov.–Febr. m.b.	Equinox March–April Sept.–Oct. m.b.	Summer May–Aug. m.b.
22.55–00.35	31–25	31–25–19	25–19

Daily programs: 22.55–23.45 Portuguese – 23.45–00.35 Spanish.

AMERICAN SERVICE:

	Winter Nov.–Febr. m.b.	Equinox March–April Sept.–Oct. m.b.	Summer May–Aug. m.b.
00.55–01.45 English	49–31	31–25–19	31–19

NORTHWEST TERRITORIES AND ARCTIC SETTLEMENTS SERVICE:
02.55–03.35 English in 49, 31 or 25 m.b. exc. Sun. EST.
02.55–04.20 English (Northern Messengers). Sun.: only EST. Nov. to May in 49, 31 or 25 m.b.
AUSTRALASIAN SERVICE:
08.25–09.15 English in 49, 31 or 25 m.b. daily.
ANN.: "This is the International Service of the Canadian Broadcasting Corporation". "Ici Radio Canada". "This is Canada".
INT. SIG.: First four notes of the National Anthem "O Canada":



MESSAGE TO LISTENERS: The CBC International Service greets shortwave listeners everywhere, and welcomes reports, queries and comments on reception and programs. Please write to Box 6000, Montreal. – **VER.** by letter or QSL-card. No return postage required.

CBC HOME SERVICE . NATIONAL SERVICE
PUBLICLY OWNED
Abbreviations: Nf=Newfoundland. NS=Nova Scotia. PEI=Prince Edward Island. NB=New Brunswick. P=Pacific. Qu=Quebec. O=Ontario. M=Manitoba. Sa=Saskatchewan. Al=Alberta. BC=British Columbia. W=Winnipeg. Pr.=Province. Prince R.=Prince Rupert. D. Pr.=Daily Programmes.
ADDR.: Canadian Broadcasting Corporation, 140 Wellington Street Ottawa O (Head Office). Following are the locations of regional offices: T.A.Building St.John's Nf.(Newfoundland Region); United Services Building Halifax, NS (Maritime Region); 1425 Dorchester Street West, Montreal, QU (QU Region); 354 Jarvis Street, Toronto, O (O Region); 541 Portage Ave W., M (Prairie Region); 701 Hornby Street, Vancouver, BC (P Region); **European Office:** 200 Oxford Street, London W, 1. England. **New York Office:** c/o United Nations, New York, N.Y., U.S.A.
L.P.: Head Office: Gen. Man.: J. A. Ouimet. Asst. Gen. Man.: E. L. Bushnell. Dir. of Prgr.: Ch. Jennings. Asst. Dir. of Prgr.: Marcel Ouimet. Dir. of Engineering: W. G. Richardson. Dir. of Press and Information: R. C. Fraser.

ENGLISH NETWORK:
Medium waves:

	Call.	kc/s	kW	City-Pro.		Call.	kc/s	kW	City-Pro.
1	CBN	640	10	St.John's-Nf.	4	CBL	740	50	Toronto-O
	CBG	1450	0.25	Gander-Nf.	5	CJBC	860	50	Toronto-O
	CBT	990	1	Gr. Falls-Nf.	6	CBE	1550	10	Windsor-O
	CBY	790	1	Corner B.-Nf.	7	CBW	990	50	Winnipeg-M
1a	CBI	1140	5	Sydneys-NS	8	CBK	540	50	Watrous-Sa
	CBH	1330	0.1	Halifax-NS	9	CBX	1010	50	Edmont.-Al
2	CBA	1070	50	Sackville-NB		CBXA	740	0.25	Edmont.-Al
3	CBM	940	50	Montreal-Qu	10	CBU	690	10	Vanc.-B.C.
	CBO	910	5	Ottawa-O		CFPR	1240	0.25	Prince R., BC

FM:

Call.	mc/s	kW	City-Pro.
3 CBM	100.7	3.86	Montreal
CBO	103.3	0.38	Ottawa
4 CBL	99.1	11.90	Toronto
10 CBU	105.7	1.40	Vancouver

Short Waves:

Call.	kc/s	kW	City-Pro.	
1 CBNX	5970	0.3	St.John's	1)
10 CBUX	6160	0.5	Vancouv.	2)

1) relay CBN. 2) relay CBU.

1. **ADDR.**: Newfoundland Hotel, St. John's Nf. – **D.Prgr.**: 10.30–03.05. – **VER.** by QSL-card.
1a. **ADDR.**: 247 Charlotte Str. Sydney, N.S. – **D. Prgr.**: W. 11.00–04.10. – **VER.** by QSL-card.
2. **ADDR.**: United Service Building, 100 Sackville Street, Halifax N.S. – **D. Prgr.**: W. 11.30–04.00. Sun. 12.45–04.15.
3. **ADDR.**: Radio Canada Building, 1425 Dorchester Street, Montreal, Qu. – **D. Prgr.**: W. 12.00–05.00. Sun. 13.00–05.00.
4. **ADDR.**: 354 Jarvis Street, Toronto 5 O. – **D. Prgr.**: W. 12.00–05.00. Sun. 13.00–05.00.
5. **ADDR.**: 354 Jarvis Street, Toronto 5 O. – **D. Prgr.**: W. 12.00–05.00. Sun. 13.45–05.00.
6. **ADDR.**: Security Building, Windsor O. – **D. Prgr.**: W. 12.45–05.30. Sun. 13.00–05.30.
7. **ADDR.**: P.O. Box 160, Winnipeg. M. – **D. Prgr.**: W. 12.45–06.00. Sun. 14.45–06.00.
8. **ADDR.**: P.O. Box 148, Regina Sa. – **D. Prgr.**: W. 13.45–08.00. Sun. 15.45–08.00.
9. **ADDR.**: Mc. Donald Hotel, Edmonton A. – **D. Prgr.**: 13.45–08.00.
10. **ADDR.**: 710 Hornby Str. Vancouver B.C. – **D. Prgr.**: W. 14.45–08.00. Sun. 15.55–08.00. – **News**: 15.30 (W), 16.00, 19.00 (Sun.), 20.15 (W.), 23.00 (Sun.), 01.45 (W.), 03.00, 06.00, 07.57.

FRENCH NETWORK

Medium Waves:				Short Waves: (Montreal 7.5 kW)			
Call.	kc/s	kW	City Pr.				
CBF	690	50	Montreal	CBFW	6090	CBFY	11705
CBJ	1580	10	Chicoutimi	CBFR	9520	CBFL	11720
CBV	980	5	Quebec	CBFX	9610	CBFA	11760
CBAF	1300	5	Moncton	CBFO	9630	CBFZ	15190

FM: CBF 95.1 mc/s 3.86 kW Montreal.
CBAF (Basic St.) – **ADDR.**: Assumpton Bldg., 232 St. George str., Moncton, N.B.

PUBLICATIONS: "CBC Times" (English – weekly). – "La Semaine à Radio-Canada" (French – weekly). – "CBC R. Canada prgr.-schedule" (seven times a year) for listeners outside Canada.

PRIVATELY OWNED COMMERCIAL STATIONS

CANADIAN ASSOCIATION OF RADIO AND TELEVISION BROADCASTERS: Head Office, 108 sparks Str. Ottawa 4.

MediumWaves: 105 low-power stations not mentioned. **FM**: 14 stations.

1.	CHLN	500	5	18.	CKSO	790	5	38.	CKWX	980	5[1])
2.	CFNB	550	5	19.	CHAB	800	5	39.	CFRB	1010	50[1])[2])
3.	CFRA	560	5	20.	CHRC	800	5	40.	CFCN	1060	10d[1])
4.	CJKL	560	5	21.	CJAD	800	5	41.	CHOK	1070	5d
5.	CJFX	580	5	22.	CKLW	800	50	42.	CHSJ	1150	5
6.	CKEY	580	5	23.	CKVL	850	10[2])	43.	CKOC	1150	5
7.	CKY	580	5	24.	CHML	900	5	44.	CJOC	1220	5
7a.	CKUA	580	1	25.	CJBR	900	5d[2])	45.	CKCW	1220	10
8.	CFCF	600	5[2])	26.	CJVI	900	5d	46.	CFRN	1260	5[2])
9.	CFQC	600	5	27.	CKBI	900	5	47.	CJCB	1270	5[1])[2])
10.	CJOR	600	5	28.	CJCH	920	5	48.	CKDA	1280	5d[2])
11.	CHNC	610	5	29.	CFBC	930	5	48a.	CKSL	1290	5d
12.	CKCK	620	5	30.	CJCA	930	5[1])	49.	CKOY	1310	5
12a.	CKTB	620	1[2])	31.	CJON	930	5	50.	CKNW	1320	5
13.	CFCY	630	5	32.	CFAC	960	5	51.	CKLB	1350	5d[2])
14.	CKRC	630	5	33.	CHNS	960	5	52.	CKOM	1420	5
15.	CHFA	680	5	34.	CKWS	960	5	52a.	CFOS	1470	1
16.	CKGB	680	5	35.	CKCH	970	5	53.	CKCR	1490	0.25[2])
16a.	CFRG	710	5	36.	CFPL	980	5[2])	54.	CFOR	1570	5
17.	CKAC	730	10	37.	CKRM	980	5				

[1]) Short Wave. [2]) +FM.

Short Waves:

	Call.	kc/s	m	kW	m.w.
30.	VE9AI	9540*)	31.45	0.1	930
38.	CKFX	6080	49.34	0.01	980
39.	CFRX	6070	49.42	1	1010
40.	CFVP	6030	49.75	0.1	1010
47.	CJCX	6010	49.92	1	1270

*) exp.

Hours of transmission converted into GMT from Canadian summertime; add one hour to each of the hours of transm. indicated below.

1. CHLN – **Addr.**: R. Trois Rivières Inc. 522, Bonaventure St., Trois-Rivières, Qu. – **D. Prgr.**: W. 09.55–04.00, Sun. 13.00–04.00.
2. CFNB – **Addr.**: J. S. Neill & Sons Ltd, York St., Fredericton N.B. – **D. Prgr.**: W. 09.30–03.15, Sun. 11.03–03.15.
3. CFRA – **Addr.**: CFRA Ltd. Auditorium, Ottawa. – **D. Prgr.**: 24 hours daily.
4. CJKL – **Addr.**: Kirkland Lake Broadc. Ltd, Government Rd W., Kirkland Lake. – **D. Prgr.**: W. 10.00–04.15, Sun. 12.00–04.15.
5. CJFX – **Addr.**: Atlantic Broadcasters Ltd, St. Ninian Str., Antigonish N.S. – **L.P.**: Mgr., Dir. Tec.: J. Mc. Dougall. Dir. Prgr.: Ch. O'Brien. Dir. N.: B. Mackinnon. – **D. Prgr.**: 10.00–15.10. – **N.**: 10.00, 10.35, 11.00, 11.55, 13.00, 15.15, 19.00, 20.15, 21.00, 22.00. – **Time Sig.**: 17.00 from Dom. Observatory. – **Ver.** by letter.
6. CKEY – **Addr.**: Toronto Broadc. Co, 444, University Ave., Toronto, O. – **D. Prgr.**: 24 hours daily.
7. CKY – **Addr.**: Broadc. St. CKY Ltd, Loredore Bldg., 432 Main Str., Winnipeg, M. – **D. Prgr.**: W. 11.00–06.00, Sun. 12.15–05.00.
7a. CKCA – **Addr.**: 105, 26 Jasper Av., Edmonton A. – **D. Prgr.**: 11.45–05.10. – FM.
8. CFCF (-FM 106,6 mc/s) – **Addr.**: Canadian Marconi Co. Ltd, 4824 Cote des Neiges Rd, Montreal, Qu. – **D. Prgr.**: W. 09.30–05.30, Sun. 12.00–04.00 – Ver. by QSL-card.
9. CFQC – **Addr.**: A. A. Murphy and Son Ltd, 212–216 First Avenue N., Saskatoon, Sas. – **D. Prgr.**: W. 12.00–07.00, Sun. 13.00–06.00.
10. CJOR – **Addr.**: CJOR Ltd., 846 Howe Str., Vancouver, B.C. – **D. Prgr.**: 24 hours daily.
11. CHNC – **Addr.**: The Gaspesia R. Broadc. Co. Ltd, Main St., N. Carlisle, Qu. – **D. Prgr.**: W. 11.00–04.00, Sun. 13.30–04.00.
12. CKCK – **Addr.**: Trans-Canada Communications, The Leader Post Bldg., Regina, Sas. – **D. Prgr.**: W. 11.55–07.05, Sun. 13.00–06.05.
12a. CKTB – **Addr.**: 12 Yates Str., St. Catharines, O. – **D. Prgr.**: D. 11.45 (Sun. 12.40)–05.10. – **Ver.** by QSL-card or letter. – **FM**: 97.7 mc/s 0.25 kW.
13. CFCY – **Addr.**: Island R. Broadc. Co. Ltd., Broadc. Centre, 85 Kent St. Charlottetown, Prince Edward Island. – **D. Prgr.**: W. 10.15–03.00, Sun. 12.00–03.00.
14. CKRC – **Addr.**: Trans-Canada Communications, Free Press Bldg. 300 Carlton St., Winnipeg, M. – **D. Prgr.**: W. 11.00–05.30, Sun. 12.15–05.00.
15. CHFA – **Addr.**: R. Edmonton Ltd., 10012–109th Str., Edmonton A. – **D. Prgr.**: W. 12.56–06.02, Sun. 15.56–06.02.
16. CKGB – **Addr.**: Timmins Broadc. Ltd., Thomson Bldg., Timmins, O. – **D. Prgr.**: W. 08.11–04.10, Sun. 09.58–05.00.
16a. CFRG – **Addr.**: Radio Gravelbourg, Gravelbourg, Sask.
17. CKAC – **Addr.**: La Compagnie de Publication de "La Presse" Ltd., 980 St. Catherine Str., West, Montreal Ou. – **D. Prgr.**: W. 09.55–04.35. Sun. 12.00–04.35.
18. CKSO – **Addr.**: CKSO R. Ltd., Box 400, Sudbury, On. – **D. Prgr.**: W. 10.30–05.00, Sun. 12.00–05.00.
19. CHAB – **Addr.**: R. Station CHAB Ltd., 127 Main St. N., Moose Jaw, Sas. – **D. Prgr.**: W. 11.55–06.05, Sun. 12.45–05.45.
20. CHRC – **Addr.**: CHRC Ltd., 39 St. John Str., Qu. – **D. Prgr.**: W. 10.00–04.00, Sun. 12.00–04.00.
21. CJAD – **Addr.**: CJAD Ltd., 1191 Mountain Str., Montreal P.Q. – **D. Prgr.**: W. 10.00–05.00 (Sat. 04.40), Sun. 12.00–04.05.
22. CKLW – **Addr.**: Western Ontario Broadc. Co. Ltd., 825 Sandwich St. West, Windsor, O. – **D. Prgr.**: 24 hours.
23. CKVL – **Addr.**: CKVL Ltd., 213 Gordon Ave, Verdun, Qu. – **D. Prgr.**: 24 hours a day 7 days weekly. – **FM.**
24. CHML – **Addr.**: Maple Leaf Broadc. Co. Ltd., 848 Main Str., Hamilton, O. – **D. Prgr.**: W. 09.00–06.15, Sun. 11.00–06.15.
25. CJBR – **Addr.**: Radio Station CJBR, The Central Public Service, 6 St. Jean, Rimouski, P.Q. – **D. Prgr.**: 10.30–04.30. – **FM**: 101.5 mc/s.
26. CJVI – **Addr.**: Island Broadc. Co. Ltd., 817 Fort Str., Victoria, B. C. – **D. Prgr.**: 13.00–08.00. – **N.**: hourly. – **Weatherrep.**: 19.10, 03.10, 05.00.
27. CKBI – **Addr.**: Central Broadc. Co. Ltd., Sanderson Bldg., Prince Albert, Sas. – **D. Prgr.**: W. 12.00–07.00, Sun. 12.30–07.00.
28. CJCH – **Addr.**: The Chronicle Comp. Ltd., Robie Str., Halifax. – **D. Prgr.**: W. 09.30–04.00, Sun. 10.55–15.10.
29. CFBC – **Addr.**: Fundy Broadc. Co. Ltd., 68 Carleton Str., S. John, N.B. – **D. Prgr.**: W. 09.00–04.00, Sun. 11.00–03.15.
30. CJCA – 9540 kc/s – **Addr.**: Edmonton Broadc. Ltd., 452 Borks Bldg., Edmonton, A. – **D. Prgr.**: D. 13.00–07.00.
31. CJON – **Addr.**: The Newfoundland Broadcasting Co. Ltd., Broadc. House, Prince of Wales Str., St. John's Nf. – **D. Prgr.**: 10.30–04.30. – **N.**: Every hour. – **F.PL.**: m.w. 10 kW.
32. CFAC – **Addr.**: Calgary Broadc. Co. Ltd., Greyhound Bldg., Calgary, A. – **D. Prgr.**: W. 11.30–07.00, Sun. 13.00–06.00.
33. CHNS – **Addr.**: The Maritime Broadc. Co., Broadc. House, Halifax N.S. – **D. Prgr.**: W. 09.30–03.30, Sun. 12.00–15.30.
34. CKWS – **Addr.**: The Frontenac Broadc. Co., Radio-T.V. Centre, Kingston, O. – **D. Prgr.**: W. 10.00 (Sat. 09.45)–04.10, Sun. 11.45–04.10.
35. CKCH – **Addr.**: Le Droit, Ottawa, O. – **D. Prgr.**: W. 09.59–04.10, Sun. 12.55–04.10.
36. **CFPL-Radio**: **Addr.**: London Free Press Building, Richmond St. London, O. – **FM**: 95.9 mc/s 4.5 kW ERP. – **D. Prgr.**: D. 09.45–06.00. – **Mailbag**: Mo. to Fri. 17.30–17.45. – **Ver.** by letter.
37. CKRM – **Addr.**: W. Communications Ltd., 2060 Halifax Str., Regina, Sas. – **D. Prgr.**: W. 12.00–07.00, Sun. 13.30–06.00.
38. CKWX – 6080 kc/s – **Addr.**: CKWX Ltd., 543 Seymour St., Vancouver. – **D. Prgr.**: W. 13.00–08.05, Sun. 15.00–09.05. – **Ver.** by letter.
39. **CFRB – 6070 kc/s – FM 99.9 mc/s – Addr.**: Rogers R. Broadc. Co. Ltd., 37 Bloor Str., W., Toronto 5, O. – **D. Prgr.**: W. 09.45–05.05, Sun. 11.15–04.35. – **Ver.** by QSL-card.
40. CFCN – 6030 kc/s – **Addr.**: The Voice of the Prairies Ltd., 712 12th Av. East, Calgary, A. – **D. Prgr.**: W. 13.00–08.00, Sun. 12.00–

07.00. – **Ann.:** "Dial 1060 CFCN the Voice of the Prairies". – **Ver.** by QSL-card.
41. CHOK – **Addr.:** Sarnia Broadc. Co. Ltd., 148 N. Front Str., Sarnia, O. – **D. Prgr.:** 10.30-04.15. – **Ver.** by letter.
42. CHSJ – **Addr.:** N. Brunswick Broadc. Co., 14 Church Str., S. John, N.B. – **D. Prgr.:** W. 09.00–04.00, Sun. 11.00-03.15.
43. CKOC – **Addr.:** Wentworth R. Broadc. Co. Ltd., 32 John Str. N., Hamilton, O. – **D. Prgr.:** W. 09.45–05.06, Sun. 11.55–04.11.
44. CJOC – **Addr.:** Lethbridge Broadc. Ltd., 1015 Third Av. S., Lethbridge, A. – **D. Prgr.:** W. 12.00–06.00, Sun. 13.30–06.00.
45. CKCW – **Addr.:** Moncton Broadc. Ltd., Knights of Pythias Bldg. Moncton, N.B. – **D. Prgr.:** W. 09.00–04.00 (Sat. 05.00), Sun. 11.00–03.15.
46. CFRN – **Addr.:** Sunwapta Broadcasting Co. Ltd. CPP Bldg., Edmonton, A. – **D. Prgr.:** 24 hours. – **FM:** 100.3 mc/s 0.25 kW. – **Ver.** by letter.
47. CJCB – 6010 kc/s – **Addr.:** Cape Breton Broadcasters Ltd., R. Building, Sydney, N.S. – **D. Prgr.:** 10.00–03.00. – **FM:** 94.9 mc/s. – **Ver.** by QSL-card.
48. CKDA – **Addr.:** Capital Broadc. System Ltd., Hotel Douglas, 1450 Douglas Str., Victoria, B.C. – **D. Prgr.:** W. 13.00–08.00, Sun. 14.00–07.00. – **N.:** on the hour and 14.30, 15.30, 19.30, 00.30, 01.30. – **FM:** 98.5 mc/s 0.5 kW. – **Ver.** by letter.
48a. CKSL – **Addr.:** London Broadcasters Ltd., 343 Richmond St., London, O.
49. CKOY – **Addr.:** CKOY Ltd., 635 Richmond Rd., Ottawa, O. – **D. Prgr.:** 24 hours.
50. CKNW – **Addr.:** International Broadc. Co. Ltd., 227 Columbia St., N. Westminster, B.C. – **D. Prgr.:** 24 hours.
51. CKLB – **Addr.:** The Lakeland Broadc. Co. Ltd., 16 Centre Str., Oshawa, O. – **D. Prgr.:** 11.00–06.00. – **N.:** Hourly. – **Ver.** by letter. – **FM:** 5 kW.
52. CKOM – **Addr.:** Radio Station CKOM, Saskatoon Community Broadc. Co. Ltd., Empire Hotel, Saskatoon, Sas. – **D. Prgr.** :11.30–07.00.
52a. CFOS – **Addr.:** 9th St. E, Owen Sound, O. – **D. Prgr.:** 11.30–04.30. – **Ver.** by QSL-card.
53. CKCR – **Addr.:** Kitchiner-Waterloo Broadc. Co. Ltd., Arcado Bldg., 125 King Str. W. Kitchener, O. – **D. Prgr.:** in E., G., Dutch: 10.55–05.15. – **Ver.** by letter. – **FM:** 96.7 mc/s.
54. CFOR – **Addr.:** 241 West Str. N. Orillia, O. – **D. Prgr.:** 11.00–04.30. – **Ver.** by letter. Postage required.

MILITARY STATIONS

ROYAL CANADIAN AIR FORCE – Addr.: Radio Station CFGB, RCAF St. Goose Bay Labrador. – **D. Prgr. in E.:** 1340 kc/s 224 m 0.25 kW: 10.00–02.59. – **N.:** D. 21.30. – **Weatherrep.:** 11.00, 15.30, 20.50, 02.59. – **Request Prgr.:** Mo. to Fri.: 02.00–02.30. Sat. 02.00–06.00.

STATION VED – Addr.: McDonald Hotel, Edmonton A. – **D. Prgr.:** VED 7320 kc/s 40.98 m 5 kW 13.45–08.00.

AFRTS (US Army) - Ft. Churchill CRFC 1230 kc/s 244 m 0.1 kW.

★ UNITED STATES OF AMERICA ★

Local Time: Ea.: 5 h. behind GMT. (Su. 4 h.). C.: 6 h. (Su. 5 h.). Moun.: 7 h. (Su. 6 h.). Pac. 8 h. (Su. 7 h.). – **Language:** English.

VOICE OF AMERICA (Govt.) Continental USA.

"THE VOICE OF AMERICA" is operated by the Broadcasting Service of the U.S. Information Agency. The VOA seeks to promote an increased understanding of the United States among the peoples of the world and to strengthen cooperative international relations.

VOA radio relay installations are located at Honolulu, Manila, Colombo, Okinawa, Munich, Tangier, Salonika and aboard VOA's floating transmitter – the U.S. Coast Guard Cutter **COURIER.** Relay facilities are also leased from the **BBC.**

Programs are written, produced and broadcast from studios in Washington, D.C., New York City and Munich, Germany.

ADDR.: The Voice of America, Health, Education and Welfare Building, Washington 25, D.C., U.S.A.

L.P.: Dir. U.S. Information Agency: Theodore C. Streibert. Chief Broadc. Service: Robert E. Button. Prgr. Mgr.: Gene King. TV Prgr. Mgr.: F. E. Long. Chief Eng.: Edgar T. Martin. Facilities Mgr.: Harold O. Wright. Chief Field Relations: Jerome A. Stone.

STATIONS:

KCBR-1 (200 kW), KCBR-2/3 (50 kW), KCBR-4/5 (100 kW), Columbia Broadcasting System, Inc., Delano, California.
KNBH-1 (200 kW), KNBH-2/3 (50 kW), KNBH-4/5 (100 kW), National Broadcasting Company, Inc., Dixon, California.
WBOU-1/6 (50 kW), National Broadcasting Company, Inc., Bound Brook, New Jersey.
WDSI-1/3 (50 kW), Columbia Broadcasting System, Inc., Brentwood, New York.
WDSI-5/6 (50 kW), Columbia Broadcasting System, Inc., Wayne, New Jersey.
WGEO-1 (100 kW), WGEO-2 (50 kW), WGEO-3 (25 kW), General Electric Company, 1 River Road, Schenectady, New York.
WLWO-3/8 (75/200 kW), The Crosley Broadcasting Corporation, Mason, Ohio.

STATIONS:

	kc/s	m		kc/s	m		kc/s	m
KNBH	6020	49.83	KCBR	11810	25.40	WBOU	15440	19.43
KCBR	6040	49.67	WLWO	11810	25.40	KNBH	17760	16.89
KNBH	6060	49.50	KCBR	11830	25.36	WGEO	17760	16.89
WDSI	6120	49.02	WBOU	11830	25.36	KCBR	17770	16.88
WLWO	6155	48.74	WDSI	11830	25.36	WBOU	17780	16.87
WDSI	6170	48.62	KCBR	11870	25.27	WLWO	17795	16.80
KCBR	6185	48.50	KNBH	11870	25.27	KNBH	17800	16.86
KNBH	9515	31.53	WBOU	11870	25.27	KNBH	17830	16.83
WBOU	9530	31.48	WDSI	11870	25.27	WDSI	17830	16.83
WGEO	9530	31.48	WBOU	11890	25.23	KCBR	17850	16.81
WLWO	9545	31.43	WLWO	11890	25.23	WDSI	17875	16.78
KNBH	9550	31.41	KCBR	15130	19.83	KCBR	17880	16.78
KCBR	9570	31.35	KNBH	15150	19.80	KNBH	21460	13.91
KNBH	9590	31.28	WBOU	15150	19.80	WLWO	21485	13.96
KCBR	9600	31.25	WBOU	15210	19.72	KNBH	21500	13.95
WDSI	9650	31.09	WBOU	15230	19.70	WDSI	21500	13.95
WBOU	9670	31.02	KNBH	15250	19.67	WLWO	21515	13.94
KCBR	9700	30.93	WLWO	15250	19.67	WBOU	21540	13.93
WDSI	9700	30.93	WBOU	15270	19.65	WDSI	21570	13.91
WLWO	9725	30.85	WDSI	15270	19.65	WGEO	21590	13.90
KCBR	11710	25.62	WBOU	15285	19.63	KNBH	21610	13.88
KNBH	11710	25.62	KNBH	15290	19.62	KCBR	21630	13.87
WBOU	11710	25.62	KCBR	15315	19.59	WBOU	21730	13.81
KNBH	11775	25.48	WGEO	15330	19.57	KCBR	21740	13.80
WBOU	11790	25.45	WLWO	15330	19.57	KCBR	25630	11.70
WDSI	11790	25.45	KCBR	15340	19.56	WBOU	25950	11.56

RELAY STATIONS:

For frequencies of the relay stations, refer to the individual countries: Germany, Greece, Dodecanese Islands, Great Britain, Tangier, Ceylon, Hawaii, Okinawa, and Philippines.

ANNOUNCEMENT:

Each program ends with these words spoken in English: "This program has come to you from the United States of America." The station identification is then announced in English.

VERIFICATION:

By QSL-card. No return postage required.

To Europe, Near- and Middle East

		U.S. m.b.	Relay Stations. m.b.
ALBANIAN	06.00–06.30	—	19, 25
	11.00–11.30	—	13, 16
	18.30–19.00	11, 13, 16, 19	16, 19, 49, 379
	20.30–21.00	—	31
	23.30–24.00	—	19, 25, 31
ARABIC	04.00–04.30	25, 31, 49	19, 25, 31, 41, 238
	04.30–05.00	—	19, 25, 31, 41, 238
	05.00–08.00	—	19, 31, 41, 238
	14.00–16.00	—	19, 25, 238
	18.30–19.30	13, 16, 19	16, 19, 25, 41, 49, 238
	19.30–21.00	—	41, 49, 238
	21.00–22.00	—	49
ARMENIAN	01.00–01.30	—	19, 25, 31, 41
	02.00–02.15	—	19, 25, 31, 41
	15.00–15.30	11, 13, 16, 19	11, 13, 16, 19, 25
	19.30–19.45	11, 13, 16, 19	16, 19, 25
	21.30–22.00	—	41, 49, 238
BULGARIAN	05.00–05.30	—	19, 25
	10.30–11.00	—	13, 16
	11.30–12.00	—	19, 25, 31
	17.00–17.15	13, 16, 19	13, 19, 31, 49
	17.30–18.00	—	13, 16, 19, 49, 379
	18.00–18.15	—	49, 379
	19.00–19.30	—	41, 49
	19.30–20.00	13, 16, 19	16, 19, 25, 31, 41, 49, 379
	22.00–22.30	—	19, 25, 31, 41, 49, 238
	23.00–23.30	—	19, 25, 31
CZECH & SLOVAK	05.15–05.30	—	19, 25, 31
	06.15–06.30	—	16, 19, 25
	11.45–12.00	—	13, 16
	14.00–14.15	—	1734
	18.00–18.30	13, 16, 19	13, 16, 19, 49
	20.30–21.00	13, 16, 19, 25	19, 25, 31, 49
	21.45–22.00	13, 16, 19, 25	19, 25, 31, 41; 49
	23.00–23.30	—	251
	23.45–00.00	—	19, 25, 31

ARK. -ARKANSAS
CONN. -CONNECTICUT
DR. -DOMINICAN REPUBLIC
FLO. -FLORIDA
ILL. -ILLINOIS
I. -INDIANA
K. -KENTUCKY
LA. -LOUISIANA
MA. -MAINE
MAS -MASSACHUSETTS
M. -MICHIGAN
MISS. -MISSISSIPPI
MIS. -MISSOURI
NY. -NEW YORK
NC. -NORTH CAROLINA
O. -OHIO
OKLAH. -OKLAHOMA
PEN. -PENNSYLVANIA
SC. -SOUTH CAROLINA
VIRGIN. -VIRGINIA
W. -WASHINGTON

map North America

To Europe, Near- and Middle East

		U.S. m.b.	Relay Stations. m.b.
ENGLISH	15.00–15.30	13, 16, 19	11, 13, 16
	16.15–16.45	13, 16, 19	16, 19, 25, 31, 41, 49, 224, 251, 464, 1734
	18.00–19.00	13, 16, 19	19, 31, 41
	20.00–20.15	13, 16, 19	16, 19, 31, 41
	20.15–20.30	13, 16, 19	16, 19, 41, 49, 1734
	21.00–22.00	—	31, 41
ESTONIAN	02.30–03.00	—	19, 25, 31, 41
	04.15–04.45	—	19, 25, 31
	13.00–13.30	—	11, 13, 16, 19
	14.15–14.45	—	19, 25
	17.00–17.30	11, 13, 16, 19	11, 16, 19, 25
	19.00–19.30	—	19, 25, 31, 41
	21.15–21.45	—	19, 25, 41
	22.00–22.30	—	31, 41, 49
FRENCH	17.30–18.00	13, 16, 19	—
GEORGIAN	02.15–02.30	—	19, 25, 31, 41
	14.45–15.00	—	11, 13, 16, 19
	16.00–16.30	11, 13, 16, 19	13, 16, 19, 25
	19.45–20.00	11, 13, 16, 19	16, 19, 25
	21.15–21.30	—	41, 49, 238
GERMAN	15.45–16.00 (Sun.)	—	251
	17.15–17.30	13, 16, 19	16, 19, 31, 49, 251, 1734
	20.00–20.15	13, 16, 19	16, 19, 31, 49, 1734
	21.15–21.30	13, 16, 19, 25	—
	23.30–23.45	—	25, 31
GREEK	17.00–17.15	—	379
	17.15–17.30	13, 16, 19	13, 19, 379
	20.30–20.45	13, 16, 19	19, 25, 31, 379
HUNGARIAN	04.45–05.00	—	19, 25, 31
	05.45–06.00	—	25, 31
	06.45–07.00	—	16, 19
	07.45–08.00	—	13, 16, 19, 1734
	13.45–14.00	—	19, 25, 31, 1734
	18.30–19.00	—	19, 25, 31, 49, 251, 1734
	19.00–19.30	11, 13, 16, 19	16, 25, 31, 49, 251, 1734
	20.45–21.15	13, 16, 19	19, 25, 31, 41, 49, 379 1734
	22.30–23.00	—	19, 25, 31
	23.00–23.30	—	19, 25, 31
	23.30–00.00	—	251
ITALIAN	15.30–15.45	—	RAI
LATVIAN	02.30–03.00	—	19, 25, 31
	03.00–03.15	—	19, 25, 31
	12.30–13.00	—	11, 13, 16, 19
	14.00–14.15	—	11, 13, 16, 19
	14.45–15.00	—	19, 25, 31
	16.15–16.30	—	11, 16, 19, 25, 31
	17.30–18.00	11, 13, 16, 19	16, 19, 25
	18.30–18.45	—	16, 19, 25
	21.00–21.15	—	19, 25, 31, 41, 49
	21.30–22.00	—	31, 49
LITHUANIAN	03.45–04.15	—	19, 25, 31
	04.15–04.45	—	19, 25, 31
	12.00–12.30	—	11, 13, 16, 19
	12.30–13.00	—	19, 25, 31
	16.30–17.00	13, 16, 19	13, 16, 19, 25
	18.00–18.30	—	16, 19, 25
	21.00–21.30	—	31, 49
	21.45–22.15	—	19, 25, 41
MUSIC	14.15–14.30	—	11, 13
MUSIC USA	19.00–20.00	13, 19	19, 31, 41
	20.00–21.00	13, 19	19, 31, 41, 251
	22.00–23.00	—	31, 41
	23.00–00.00	—	31, 41, 1734
PERSIAN	15.00–15.30	13, 16, 19	—
	16.00–16.30	—	13, 16, 19, 25, 238
	16.30–17.00	—	13, 16, 19, 25, 238
	17.00–17.30	13, 16, 19	13, 16, 19, 25, 238
	18.00–18.30	—	16, 19, 41, 49, 238
POLISH	00.00–00.30	—	19, 25, 31, 41
	05.30–06.00	—	19, 25
	07.00–07.30	—	13, 16, 19
	07.30–08.00	—	13, 16, 19
	08.00–08.30	—	1734
	08.30–09.00	—	1734
	13.00–13.30	—	19, 25, 31, 1734

To Europe, Near- and Middle East

		U.S. m.b.	Relay Stations m.b.
	16.30–17.00	11, 13, 16, 19	16, 19, 31
	17.30–18.00	—	251, 1734
	19.30–20.00	—	16, 19, 25, 31, 41, 49 251, 1734
	20.30–21.00	13, 16, 19, 25	16, 19, 31, 41, 49
	22.30–23.00	—	251, 1734
RUMANIAN	05.30–05.45	—	19, 25
	07.00–07.30	—	13, 16, 19
	10.00–10.30	—	13, 16
	16.45–17.00	13, 16, 19	16, 19, 49
	18.15–18.30	—	49, 379
	20.00–20.30	11, 13, 16, 19	16, 19, 25, 31, 49, 379
	22.30–23.00	—	19, 25, 31, 41, 49, 238
RUSSIAN	01.30–02.00	—	19, 25, 31, 41
	02.00–03.00	—	19, 25, 31
	03.00–03.15	—	19, 25, 31, 41
	03.15–03.45	19, 25, 31, 49	19, 25, 31, 41
	03.45–04.00	—	19, 25, 31, 41
	04.00–06.00	—	19, 25, 31
	06.00–06.30	—	16, 19
	06.30–08.00	—	13, 16, 19
	07.30–07.45	—	16, 19, 25, 1734
	09.00–10.45	—	1734
	11.00–12.00	—	19
	12.00–12.30	—	16, 19, 25, 31, 1734
	12.30–13.00	—	11, 13, 16, 19, 1734
	13.00–13.30	—	16, 19
	13.30–13.45	—	11, 13, 16, 19, 25, 31, 1734
	14.00–14.15	—	16, 19, 25, 31
	14.15–14.45	—	11, 13, 16, 19, 31, 1734
	14.45–15.00	—	19, 1734
	15.00–15.30	—	19, 25, 31, 1734
	15.30–16.00	11, 13, 16, 19	11, 13, 16, 19, 25 ,31, 1734
	16.00–16.15	—	13, 16, 19, 25, 31, 251, 1734
	16.15–16.45	—	19
	16.45–17.15	—	13, 16, 19, 31, 251, 1734
	17.15–17.30	—	13, 16, 19, 49
	17.30–18.00	—	19, 49
	18.00–18.30	11, 13, 16, 19	13, 16, 19, 31, 1734
	18.30–19.30	—	19
	20.00–20.30	—	25
	20.30–20.45	—	25, 31, 49, 1734
	20.45–21.15	—	25, 31
	21.15–21.45	13, 16, 19, 25	16, 19, 25, 31, 41, 49, 251, 1734
	21.45–22.00	—	16, 19, 25, 31, 41, 49, 1734
	22.00–22.30	—	16, 19, 25, 31, 41, 49, 251, 1734
	22.30–01.30	—	19, 25, 31
SERBO-CROAT	05.00–05.15	—	19, 25, 31
	19.00–19.30	13, 16, 19	13, 16, 19, 49, 379
	21.00–21.15	13, 16, 19, 25	19, 25, 41, 251
	22.15–22.30	—	19, 25, 49, 379
SLOVENE	17.00–17.15	13, 16, 19	16, 19
	18.00–18.15	—	251
	18.15–18.30	—	49
	20.30–20.45	—	19, 41, 49
	22.00–22.15	—	49
TURKISH	17.30–18.00	13, 16, 19	16, 19, 238
	20.15–20.30	13, 16, 19	19, 25
	21.00–21.15	—	41, 49, 238
UKRAINIAN	03.45–04.15	—	19, 25, 31
	06.30–07.00	—	13, 16, 19
	12.00–12.30	—	11, 13, 16, 19
	17.30–18.00	13, 16, 19	13, 16, 19, 25
	19.30–20.00	13, 16, 19	16, 19, 31, 49
UZBEK	00.30–00.45	—	19, 25, 31, 41
	13.45–14.00	—	11, 13, 16, 19
	16.30–16.45	—	16

To Latin America

		U.S. m.b.	Relay Stations m.b.
ENGLISH	00.30–01.00	16, 19, 25, 31	—
	02.30–03.00	19, 25, 31	—
MUSIC USA	01.00–03.00	19, 31	—
	03.00–05.00	19, 25	—

To India and Pakistan

		U.S. m.b.	Relay Stations m.b.
BENGALI	13.00–13.30 (Mo & Fri.)	—	25, 41
	14.30–15.00 (Mo. only)	11, 13, 16, 19	11, 13, 16, 25, 41
ENGLISH	12.30–13.00	—	25, 41
	15.00–15.30	13, 16, 19	11, 13, 16, 25, 41
	16.30–17.00	—	25, 41
GUJARATI	13.00–13.30 (Sat. only)	—	25, 41
	14.30–15.00 (Sat. only)	11, 13, 16, 19	11, 13, 16, 25, 41
HINDI	01.00–01.15	13, 16	—
	02.15–02.30	—	13, 16
	13.30–14.00	—	25, 41
	15.30–16.00	13, 16, 19	11, 13, 16, 25, 41
MALAYALAM	13.00–13.30 (Thurs. only)	—	25, 41
	14.30–15.00 (Thurs. only)	11, 13, 16, 19	11, 13, 16, 25, 41
TAMIL	13.00–13.30 (Tues., Wed.)	—	25, 41
	14.30–15.00 (Tues., Wed.)	11, 13, 16, 19	11, 13, 16, 25, 41
TELUGU	13.00–13.30 (Sun. only)	—	25, 41
	14.30–15.00 (Sun. only)	11, 13, 16, 19	11, 13, 16, 25, 41
URDU	14.00–14.30	—	25, 41
	16.00–16.30	13, 16, 19	11, 13, 16, 19, 25, 41

To Africa

		U.S. m.b.	Relay Stations m.b.
ENGLISH	17.30–18.00	—	16, 19
	19.00–19.30	—	16, 19
HINDI	18.00–19.00	—	16, 19
MUSIC USA	19.30–21.00	—	16, 19

To Far East

		U.S. m.b.	Relay Stations m.b.
AMOY	10.00–10.30	19, 25, 31, 49	19, 25
	11.00–11.30	—	16, 19, 25, 263
	12.30–13.00	—	19, 25, 326
	13.00–13.30	—	19, 263
	14.00–14.30	—	326
BURMESE	10.30–11.00	19, 25, 31, 49	16, 19, 25, 263
	12.00–12.30	—	16, 19, 25
	14.30–15.00	19, 25, 31, 49	19, 25, 263
CAMBODIAN	05.00–05.30	—	19
	11.30–12.00	—	16, 19, 25
	21.30–22.00	13, 16	—
	23.30–00.00	11, 13, 16	19, 25
CANTONESE	00.30–01.00	—	19, 31
	11.30–12.00	19, 25, 31, 49	19, 25, 263, 326
	12.30–13.00	—	25, 326
	13.00–13.30	—	25, 326, 263
	14.30–15.00	—	19, 25, 326
	17.30–18.00	—	49, 263
	18.30–19.00	—	49, 263
	19.30–20.00	—	49, 263
	20.30–21.00	—	49, 263
	21.30–22.00	—	49, 263
	23.00–23.30	11, 13, 16	19, 25, 49
ENGLISH	01.00–01.30	—	19, 25
	13.30–14.00	19, 25, 31, 49	19, 25, 31, 41, 49, 254, 263, 326
	14.30–15.00	—	25, 31, 41, 49, 254
	15.30–16.00	—	326
	16.00–16.30	—	19, 25, 263
	23.30–00.00	11, 13, 16	19, 25, 49, 326
INDONESIAN	11.00–11.30	19, 25, 31, 49	19, 25
	13.00–13.30	—	19, 25
JAPANESE	01.15–02.00	13, 16	—
	09.30–10.00	—	19
	22.30–23.15	11, 13, 16	—
KOREAN	13.00–13.30	19, 25, 31, 49	19, 25, 31, 41, 254
	22.30–23.00	11, 13, 16	19, 25, 41

To Far East

		U.S. m.b.	Relay Stations m.a.
MANDARIN	00.00–00.30	—	19, 25
	01.00–01.30	—	19, 25, 31
	09.30–10.00	19, 25, 31, 49	19, 25
	10.30–11.00	—	19, 25, 31, 41, 254, 263, 326
	12.00–12.30	19, 25, 31, 49	19, 25, 31, 41, 254, 263, 326
	14.00–14.30	—	19, 25, 31, 41, 49, 254
	15.00–15.30	19, 25, 31, 49	19, 25, 31, 41, 49, 254 263, 326
	16.00–16.30	—	25, 31, 41, 49, 254
	16.30–17.00	—	25, 31, 41, 49, 254, 263
	17.00–17.30	—	41, 49, 254, 263
	17.30–18.00	—	31, 41, 49, 254
	18.00–18.30	—	31, 41, 49, 254, 263
	18.30–19.00	—	31, 41, 49, 254
	19.00–19.30	—	31, 41, 49, 254, 263
	19.30–20.00	—	31, 41, 49, 254
	20.00–20.30	—	49, 263
	20.30–21.00	—	31, 41, 49, 254
	21.00–21.30	—	31, 41, 49, 254, 263
	21.30–22.00	—	31, 41, 254
	22.00–22.30	11, 13, 16	19, 25, 31, 254, 263
MUSIC	10.00–10.30	—	16, 19, 25, 263
MUSIC USA	10.00–12.00	31	—
	14.00–16.00	—	19, 25, 31
RUSSIAN	00.00–00.30	11, 13, 16	19, 25
	09.00–09.30	19, 25, 31, 49	11, 13, 16, 19, 25
	11.00–11.30	—	19, 25, 31, 41, 254
	12.30–13.00	—	19, 25, 31, 41, 254
	15.30–16.00	19, 25, 31, 49	19, 25, 31, 41, 49, 254
	20.00–20.30	—	31, 41, 49, 254
THAI	14.00–14.30	19, 25, 31, 49	19, 263
	15.00–15.30	—	19, 25
UKRAINIAN	08.30–09.00	19, 25, 31, 49	11, 13, 16, 19, 25
	11.30–12.00	—	19, 25, 31, 41, 254
VIETNAMESE	00.30–01.00	11, 13, 16	19, 25
	05.30–06.00	—	19
	12.30–13.00	19, 25, 31, 49	16, 19, 25, 263
	14.00–14.30	—	19, 25
	15.30–16.00	—	19, 25, 263

VOICE OF AMERICA RELAYS IN GR. BRITAIN BY THE BBC

ADDR.: Voice of America, Washington 25, D.C., U.S.A.

D.PRGR.: 13.45–21.45 GMT.

13.45–14.00 Uzbek	17.00–17.30 Estonian	19.00–19.30 Estonian
15.00–15.30 Armenian	17.30–18.00 Latvian	19.30–20.00 Polish
15.30–16.00 Russian	18.00–18.30 Lithuanian	20.30–21.00 Polish
16.15–16.30 Latvian	18.30–18.45 Latvian	21.15–21.45 Russian
16.30–17.00 Lithuanian		

14.30–21.15 GMT.

14.30–15.00 Sun: Telugu	15.00–15.30 English	18.00–18.30 Russian
Mo: Bengali	15.30–16.00 Hindi	18.30–19.30 Hungarian
Tues & Wed: Tamil	16.00–16.30 Urdu	19.30–20.00 Bulgarian
Thurs: Malayalam	16.30–17.00 Polish	20.00–20.30 Rumanian
Fri: Urdu	17.00–17.30 Persian	20.30–20.45 Greek
Sat: Gujarati	17.30–18.00 Bulgarian	20.45–21.15 Hungarian

ANNOUNCEMENT: The BBC announces its relay of the Voice of America programs stating the language and relay frequencies.

VERIFICATION: By QSL-card. No return postage required.

ARMED FORCES RADIO and TELEVISION SERVICE

ADDR.: Office of Armed Forces Information and Education, Washington 25, D.C.

This office exercises overall policy control of the Armed Forces Radio and Television Service. The mission of AFRTS is to keep United States service men and women stationed outside the States the best informed service personnel in the world on current events. **All broadcasts are in English.** Entertainment and educational programs go out in disc form, to be broadcast to local military audiences by 69 armed forces radio stations in overseas areas. News, sports and other timely matter is beamed overseas directly by twelve powerful transmitters on the U.S. Atlantic and Pacific coasts. These shortwave broadcasts serve both the overseas radio stations, which relay them locally, and the more remotely situated individual military listeners with their own shortwave radio receivers. Programmes other than news and locally produced programmes are derived directly from the U.S. Commercial

Networks. News is compiled directly from the wires of A.P., N.P. and JNS.
AFRS presents regular shortwave programmes from both Los Angeles and New York City, using the transmitters of the Voice of America

EUROPEAN SERVICE (from New York)

ADDR.: Officer in Charge, Armed Forces Press, Radio and Television Service, 641 Washington Str., New York 14, N.Y.
D. PRGR.: 50 kW – Period: All year.

Call	kc/s	m	Target Area	h. of tr.
WBOU2	15285	19.63	Europe	17.30–22.45
WRUL2	15350	19.54	Greenland	17.45–22.15
WRUL3	17710	16.94	Caribbean	17.45–22.15
WBOU5	17780	16.87	Europe	17.30–22.45
WBOU3	21730	13.81	N. Af.	17.30–22.45

N.: D. 22.30. Mo.–Fri.: 19.00, 20.00, 21.00, 22.00. Sat., Sun. 18.10.
CONFERENCE PERIOD: D. 18.00–18.10. Program information. Master schedule read twice each month (1st and 15th during this period).
ANN.: "This is the United States Armed Forces Radio Service in New York: The Voice of Information and Education". – **VER.** by QSL-card. Return postage not required. Mail your comments and requests to: Armed Forces Radio Service, N.Y. 14, N.Y.

PACIFIC SERVICE (from Los Angeles)
ADDR.: Armed Forces Radio & Television Service, 1016 North McCadden Place, Los Angeles 38, California. – **L.P.:** Officer in Charge: Lt. Colonel James H. Rose, U.S. Air Force. Chief Shortwave Branch: Robert C. Goodman.
DAILY PRGR.: 01.00–14.15. Relay.

Call	kc/s	m	kW		Beam
KCBR–4	9570	31.35	100	07.45–12.00	Alaska-Aleutians
KCBR–2	9700	30.93	50	07.30–14.15	Japan-Korea
KCBR–4	11710	25.62	100	12.15–14.15	Caribbean
KCBR–5	11830	25.36	100	07.00–08.00	Philippines-Marianas
KCBR–3	11870	25.27	50	07.30–14.15	Japan-Korea
KCBR–4	15130	19.83	100	01.15–07.30	Alaska-Aleutians
KCBR–1	15315	19.59	200	01.15–06.00	Caribbean
KCBR–2	15340	19.56	50	01.00–07.00	Japan-Korea
KCBR–5	17770	16.88	100	01.00–06.30	Philippines-Marianas
KCBR–3	17850	16.81	50	01.00–07.00	Japan-Korea
KCBR–4	17880	16.78	100	22.00–00.45 (Sat.)	Alaska-Aleu./F.E.

Major frequency changes occur in the spring, fall, and winter. Minor adjustments in frequencies are announced in "Conference Period" as they take place.
N.: Hourly from 01.00–14.00, except when altered for special programming. – **Dictation N.:** Mo.–Fri.: 09.15–10.00.

CONFERENCE PERIOD: 01.15 and 06.45 (Tues.-Sun.), 04.15 and 06.45 (Mo.), contains important information on frequency changes, programming and special events.

SCHEDULE READING: There is a 30-minute dictation speed reading of the AFRTS Shortwave Master Schedule twice a month on the 1st and 15th GMT at times announced on Conference Period.
ANN.: "This is the United States Armed Forces Radio and Television Service, The Voice of Information and Education". – **VER.** by QSL-card. Return postage not required. – **PRGR. SCHEDULE** available on request.

WORLD WIDE BROADCASTING SYSTEM

ADDR.: One East 57th Street, New York 22, N.Y. – **Cable:** "Shortwave". – **L.P.:** Pres. and Dir. Gen.: Walter S. Lemmon. Dir. English Prgr.: Jack Terry. In charge of Norwegian and Swedish Prgr's: Johan Fillinger. Dir. of Spanish Prgr's: Tito Arriagada. In charge of Portuguese Prgr's: Gaspar Goellio.

FOREIGN SERVICE

STATIONS: WRUL – 20/50/80 kW

kc/s	m	kc/s	m	kc/s	m	kc/s	m
9530	31.48	11710	25.62	15220	19.71	15415	19.46
9585	31.30	11780	25.47	15230	19.70	17710	16.94
9675	31.01	15200	19.74	15390	19.49	17750	16.90

EUROPEAN SERVICE: 19.00–20.35 (Mo.–Fri.) in 25, 19 or 16 m.b.: **N. in E.:** 20.15. – **Swedish:** Mo., Wed., Fri. 20.00–20.15. DX-Prgr. Mo. Norwegian: Tues., Thurs. 20.00–20.15.

LATIN AMERICAN SERVICE: D. 22.30–01.45 in 31, 25, 19 or 16 m.b.: **E.:** 23.00–00.15: **N.:** 23.00 (Sat. only). – **P.:** 22.30–23.00. – **Sp.:** 00.15–01.45.

ANN.: "This is the World Wide Broadcasting System, Radio Boston, international radio station WRUL speaking for freedom from its studios in New York City, U.S.A.". – **INT.-SIG.:** New World Symphony (by Dvorak). – **VER.** by QSL-card and letter.

PRIVATE STATIONS

EDUCATIONAL STATIONS (non-comm.)

ADDR.: U.S. Office of Education, Washington 25, D.C. – **L. P.:** Dr. Franklin Durham.

870 kc/s 50 kW WWL N. Orleans. L. – 1030 kc/s 50 kW KWBU Corp. Chr., Te. – In operation: 30 AM st., 130 FM st., 12 TV stations.

NATIONAL ASSOCIATION OF EDUCATIONAL BROADCASTERS.
The national independent professional association which since 1925 has represented the interests and needs of educational television and radio broadcasters represents approximately 73% of the educational stations and production centers of the United States (approximately 90%, excluding those identified as theological or religious stations).

Address: Executive Office: 14 Gregory Hall, Urbana, Illinois.

Leading Personalities: Pres.: Frank E. Schooley, Vice-Pres.: John Dunn. Executive Dir.: Harry J. Skornia, Associate Dir.: Harold E. Hill.

Stations: 116 educational institutions and organizations owning and operating a total of 123 educational radio and 20 educational television stations.: AM-stations: 23. – FM-stations: 95. – TV-stations: 20.

Activities and Functions: The NAEB is the Association of American institutions operating educational, cultural and public service radio and television stations and production centers. Its services include workshops, seminars, regional and national annual conferences, personnel-upgrading programs, engineering, legal, research and other operational consultant services, an employment agency, and numerous publications in radio and television, including a monthly **Newsletter.** It maintains an active production program and has an exchange-advisory membership relationship with most national educational organizations. The NAEB also operates a radio network which duplicates via tape and distributes to member stations several hours of programming per week. At present there are some 70 stations in this network.

It also actively cooperates with various international organizations (European Broadcasting Union, Prix Italia, International University of the Air, UNESCO, etc.), and the national systems of various other countries (Radiodiffusion Television Française, BBC, RAI and others), exchanging programs, publications and personnel with the broadcasting organizations of over 20 nations in Europe, Asia, Australia and Africa, as well as those in North, Central, and South America.

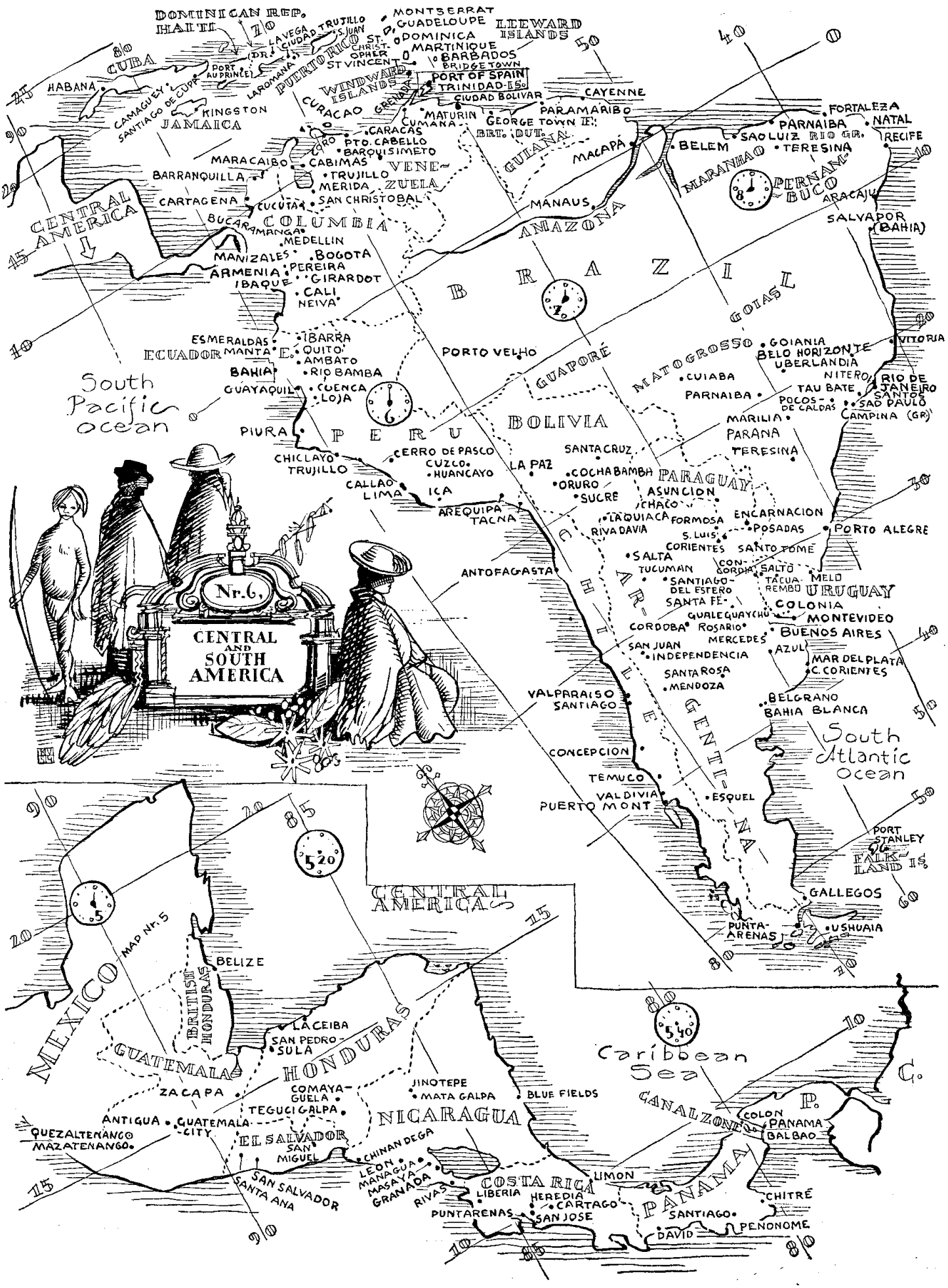
COMMERCIAL STATIONS

COMMERCIAL STATIONS: In operation 2931 AM st., 522 FM st. **Medium Wave Stations,** 50 kW. stations only.

A "daytime" station may operate only during the period between the times of local sunrise and local sunset. It must maintain a minimum operating schedule including at least two-thirds of the hours between 6 A.M. and 6 P.M. local standard time. On certain channels, and subject to the condition that interference is not caused to unlimited time stations in regular operation daytime stations may begin operation as early as 4 A.M. local standard time. – "Daytime" stations marked**).

An "unlimited time" station has a nominal broadcast day extending from local sunrise to midnight, and must operate at least two thirds of the hours between 6A.M. and 6P.M., and two thirds of the hours between 6 P.M. and midnight. In addition, such stations, may, if they desire, operate during the period midnight to 6 A.M. "Unlimited time" stations marked*)

kc/s	kW	Call	Town/Prov.	kc/s	kW	Call	Town/Prov.
640	50	KFI	L. Angeles, C.*	770	50	WABC	N. York, N. Y.
650	50	WSM	Nashville, T.*	780	50	WBBM	Chicago, Ill.*
660	50	WRCA	N.York,N.Y.*	810	50	KGO	S. Franc., C.*
670	50	WMAQ	Chicago, Ill.*	810	50	KCMO	Kans. C., K.*
680	50	KNBC	S. Franc., C.*	810	50	WGY	Schenec., N.Y.
680	50	WNAC	Lawrence, Ma*	820	50	WFAA	Dallas, Te.
680	50	WPTF	Raleigh, C.*	820	50	WBAP	Ft. Worth, Te.
680	50	KENS	S. Ant., Te.*	830	50	WCCO	Min.apol., Min*
690	50	WVOK	Birmingh., A.**	840	50	WHAS	Louisv., Ke.*
700	50	WLW	Cincinnati, O*	850	50	KOA	Denver, Co.*
710	50	WGBS	Miami., Fl.*	850	50	WHDH	Boston, Ma.*
710	50	WOR	N. York, N.Y.* (also 750 kc/s)	870	50	WWL	N. Orleans, L.
				880	50	WCBS	N. York, N.Y.*
710	50	KIRO	Seattle, W*	890	50	WLS	Chicago, Ill.*
720	50	WGN	Chicago, Ill.*	940	50	KFRE	Fresno, C.*
740	50	WBAM	Mtgmery, Al.**	940	50	WINZ	Hollyw., Fl.*
740	50	KCBS	S. Franc., C.*	1000	50	WCFL	Chicago, Ill.*
740	50	KRMG	Tulsa, Ok.*	1000	50	KOMO	Seattle, W.*
740	50	KTRH	Houston, Te.*	1010	50	WEAS	Decatur, Ge.**
750	50	WSB	Atlanta, Ge.*	1010	50	WINS	N. York, N.Y.*
760	50	WJR	Detroit, Mi.*	1020	50	KDKA	Pittsburgh, P.*
770	50	KOB	Albuq., N.M.*	1030	50	WBZ	Boston, Ma.*



map Central America South America

U.S.A.

kc/s	kW	Call	Town/Prov.	kc/s	kW	Call	Town/Prov.
1040	50	WHO	Des Moines, I.*	1160	50	KSL	Salt Lake City*
1050	50	WMGM	New Y., N.Y.*	1170	50	KVOO	Tulsa, Ok.*
1060	50	WNOE	N. Orleans, L.*	1170	50	WWVA	Wheeling, W.V.
1060	50	WRCV	Philadelphia, P.	1180	50	WHAM	Rochest, N.Y.*
1070	50	WDIA	Memphis, T.*	1190	50	WOWO	Ft. Wayne, In.*
1070	50	KNX	L. Angeles, C.*	1190	50	KEX	Portland, Or.*
1070	50	WIBC	Indianap., Ind.*	1200	50	WOAI	S. Anton., Te.*
1080	50	WTIC	Hartford, Con.*	1210	50	WCAU	Philadelph., P.*
1080	50	KRLD	Dallas, Te.*	1220	50	WGAR	Cleveland, O.*
1090	50	KTHS	Little R., Ar.*	1500	50	WTOP	Washingt.,D.C.*
1090	50	WBAL	Baltim., M.*	1500	50	KSTP	St. Paul, Min.*
1090	50	KING	Seattle, W.*	1510	50	WLAC	Nashville, Te.*
1100	50	WTAM	Cleveland, O.*	1510	50	KGA	Spokane, W.*
1100	50	KYW	Cleveland, O.	1520	50	WKBW	Buffalo, N.Y.*
1110	50	KFAB	Omaha, Ne.*	1520	50	KOMA	Okl., C., Ok.*
1110	50	WBT	Charlotte, C.*	1530	50	KFBK	Sacram., C.*
1120	50	KMOX	St. Louis, Mis.*	1530	50	WCKY	Cincinnat., O.*
1130	50	KWKH	Shreveport, L.*	1530	50	KBGT	Harling., Te.*
1130	50	WDGY	Minneap., Min.*	1540	50	KXEL	Waterloo, I.*
1130	50	WNEW	N. York., N.Y.*	1540	50	WPTR	Albany, N.Y.*
1140	50	WRVA	Richmond, V.*	1560	50	WQXR	N. York, N.Y.*
1160	50	WJJD	Chicago, Ill.*				

RADIO STATION WBAP – **Addr.:** R. Stahon WBAP, 3900 Barnett Str., Forth Worth 5, Texas. – **L.P.:** Pres.: Amon Carter. Dir. H. Hough. Gen. Mgr.: G. Cranston. Dir. Prgr.: A. M. Woodford. Dir. Tec.: R. C. Stinson. – **D. Prgr.:** 11.30–06.00 on 570 and 820 kc/s. FM 100.5 mc/s, 51 kW: 21.00–05.00 (music only). – **Int.-Sig.:** Cowbell. **Ver.** by letter.

WHAS: **Addr.:** WHAS Radio, Inc., 6th and Broadway, Louisville 2, Kentucky. – **L.P.:** Pres.: B. Bingham. Vice Pres., Dir.: V. A. Sholis. St. Mgr.: N. Chine. Dir. Tec.: O. W. Towner. Dir. Prgr.: S. Clifford. – **D. Prgr.:** 10.58 (Sun. 11.58)–06.10.

KFRE – FM: **Addr.:** T. W. Patterson Bldg., Fresno. Calif. – **L.P.:** Pres. Gen. Mgr.: P. R. Bartlett. Station Mgr.: E. J. Frech. Dir. Tec.: K. L. Mealey. – **D. Prgr.:** 13.30–08.00. FM 93.7 mc/s 70 kW: 00.00–07.00. – **Ver.** by letter.

WHO ("Voice of the Middle West") – FM: **Addr.:** 1100 Walnut Str., Des Moines, Iowa. – **L.P.:** Pres. Col. B. J. Palmer. Exec. V. Pres.: R. Ewans. Mgr.: P. A. Loyat. – **D. Prgr.:** 24 hours daily. **FM.** 100.3 mc/s. 24 kW: 15.00–03.00. – **Ver.** by letter.

WDIA: **Addr.:** Bluff City Broadcasting Company, Memphis 12, Tennessee. – **L.P.:** Pres.: J. R. Pepper. Gen. Mgr.: B. Ferguson.

KNX – **Addr.:** 6121 Sunset Blv., Hollywood 28, Cal. – **L.P.:** Gen. Mgr.: W. D. Shaw. Dir. Tec.: F. Denten. – **Ver.** by QSL-card or letter

WTIC: **Addr.:** The Travellers Broadc. Sce. Corp., 26 Grove Str., Hartford, Conn. – **L.P.:** Pres., Gen. Mgr.: P. W. Morency. Vice Pres.: G. W Baker Prgr. Mgr.: L. J. Patricelli. Chief Eng.: H. D. Taylor. **D. Prgr.:** W. 10.30–06.00. Sun. 11.50–05.00 (Mo.). – **Ann.:** "Ladies and Gentlemen. Our National Anthem. (Star spangled banner). Goodmorning. This is WTIC and WTIC-FM, operated by the Travelers Broadc. Service, Corporation on Hartford, Connecticut. WTIC with 50 kW is at 1080 on your dial. WTIC-FM with 20 kW operates at 76.5 mc/s." – **Ver.** by letter. – **F.Pl.:** Television.

WBT: **Addr.:** Jefferson Standard Broadc. Co., 1 Jefferson Place, Charlotte 8, N.C. – **L.P.:** Pres.: J. M. Bryan. Exec. V. Pres.: Gen. Mgr.: Ch. H. Crutchfield. Vice. Pres., Man. Dir.: J. R. Corrington. – **D. Prgr.:** 10.30–05.00.

KSL: **Addr.:** KSL-Radio, 145 Social Hall Av., Salt Lake City, Utah. – **L.P.:** Pres.: J.R. Clark jr.Adm.: J. W.Wright. Dir. Prgr.: J. A. Jensen. Chief Eng.: N. E. Clayton. – **D. Prgr.:** 24 h. daily. – **N.:** D. 14.00, D. 15.30, 19.00(W), 00.30(W), 00.45(Mo.-Fri.), 02.15(Mo.-Fri.), D. 05.00. – **Weatherrep.:** W. 13.15, 14.00, 14.45, 19.00, 00.30, D. 05.00. – **New York Philharmonic Orchestra:** Sun. 20.00.

WOAI: **Addr.:** Radio South Texas, 1031, Navarro St., San Antonio 6, Texas. – **L.P.:** Pres.: H. A. L. Halff. Vice Pres., Gen. Mgr.: J. M. Gaines. Promotion Mgr.: B. N. Yancy. – **D. Prgr.:** 11.45–06.00.

WCAU – FM: **Addr.:** City Line and Monument Rd., Philadelphia 31, Pensylvania. – **L.P.:** Pres., Gen. Mgr. D. W. Thornburgh. Prgr. Dir.: J. T. Connolly. Dir. Tec.: J. G. Leitch. – **D. Prgr.:** 24 hours daily. FM. 10.45–05.00. N.: 10.00, 12.00, 12.45, 13.55, 14.55, 21.55, 04.00, 05.00.

WTOP: **Addr.:** The Washington Post Co., Broadcast House, 40th and Brandywive Str., N. W., Washington 16, D. C. – **L.P.:** Pres.: J. S. Hayes. Vice Pres.: W. Dennis. Dir. Prgr.: Miss P. A. Searight. Dir. Promotion: W. Wiggins. – **D. Prgr.:** 24 h. daily. – **N.:** 11.00, 11.30, 12.00, 12.30, 13.00, 14.00, 17.00, 21.30, 21.55, 22.30, 23.00, 00.45, 02.00, 04.00. – **Ann.:** "WTOP AM, FM. The Washington Post Radio Station Broadcast House, home of Washington only 50 kW Radio Station. Washington's favorite home newspaper." – **Ver.** by QSL-card.

WGTO: **Addr.:** Haines City, Florida. – **L.P.:** Pres.: R. T. Convey. Vice Pres., St. Dir.: R. Dady. Gen. Mgr.: E. D. Hill. – **D. Prgr.:** 11.00 – local sunset (+5 h.). **N.:** 12.15, 13.15, 16.45, 22.15. – **Weatherrep.:** 17.00, 17.20. – **Ann.:** "This is WGTO on your dial serving our friends and neighbours in ... and almost everyone in Florida." – **Ver.** by letter. – **F.Pl.:** Increase of power to 50 kW.

AMERICAN BROADCASTING CO. A.B.C.
Address: 7 West 66th. Str., New York 23.
L.P.: Pres.: Robert E. Kintner. – **Stations:** ABC has four owned and operated stations.
Operating 332 AM st., 158 (approx.) FM st., 216 TV st. (contractual affiliates).

NATIONAL BROADCASTING COMPANY
Address: Radio City, New York 20, N.Y.
L.P.: Chairman of the Board of Directors: David Sarnoff. Pres.: Frank M. Folsom. Controller: W. S. Holmes, jr. VicePres., Treasurer: E. B. Gorin. Secretary: J. Q. Cannon. – **Stations:** The N.B.C. network includes 188 AM-FM stations, 210 TV stations. Five of them are owned and operated by the Company: WRCA, New York; WRC, Washington DC; WRCV, Philadelphia; WMAQ, Chicago; KNBC, S. Francisco.

COLUMBIA BROADCASTING SYSTEM
Address: 485, Madison Square, New York 22.
L.P.: Chairman of the Board of Directors: William S. Paley. Pres.: Frank Stanton, Secr.: J. F. Brauner. **Stations:** 217 AM and 197 TV.

MUTUAL BROADCASTING SYSTEM:
Address: 1440 Broadway, New York 18, N.Y.

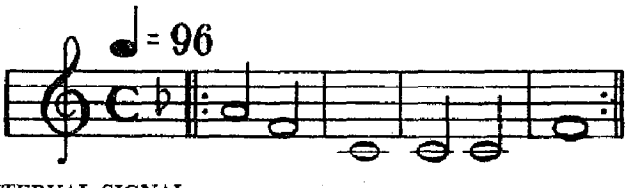
KEYSTONE BROADCASTING SYSTEM
Address: 111 W. Washington Str., Chicago 2.
L.P.: Dir. of St. Relations: Blanche Stein. – **Stations:** The Keystone Broadc. System is a transcription network covering principally hometown and rural America. It has 912 affiliated A.M. radio stations

★ SAINT PIERRE ET MIQUELON ★

Local Time: 4 h. behind GMT. – **Language:** French.
RADIO ST. PIERRE (Govt.). HOME SERVICE in French:
560 kc/s 0.25 kW: 23.00–24.00. – **VER.** by letter. Return postage required.

★ UNITED NATIONS ★

ADDR.: United Nations, New York. **Cable:** Unations, New York. **L.P.:** Under-Secretary for Public Information: Ahmed S. Bokhari. Deputy Under-Secretary for Public Information: Alfred G. Katzin. Director, Radio Division: Peter Aylen. Deputy Director: W. Gibson-Parker. Prgr. Dir.: G. L. Obhrai. Chief of Production: H. R. Van Stuwe. Chief of TV-Radio Operations: M. Hayward.



INTERVAL-SIGNAL:
ANN.: "This is the United Nations calling the Peoples of the World." This introductory phrase is used in all the official UN programmes in all of the languages concerned.

MESSAGE TO LISTENERS: The Radio Division is anxious to establish contact with as many listeners as possbile and will gladly acknowledge all communications. All correspondents will receive a United Nations Radio Verification Card, new correspondents being sent a programme schedule and some general information about the United Nations and the Specialized Agencies. – Correspondence, requests for copies of the schedule of UN broadcasts should be addressed to the Director of the nearest UN Information Centre. These centres are located in Athens, Bangkok, Belgrade, Bogota, Buenos Aires, Cairo, Copenhagen, Djakarta, Geneva, Karachi, London, Manila, Mexico City, Monrovia, Moscow, New Delhi, Paris, Prague, Rio de Janeiro, Santiago, Shanghai, Sydney, Teheran, Washington, D.C. Requests for copies of the schedule of UN broadcasts which can be heard in the United States should be addressed to: United Nations, New York.

CENTRAL AMERICA

★ BAHAMAS ★

Local Time: 5 h. behind GMT. – **Language:** English.

BAHAMAS BROADCASTING SERVICE (Govt.).
ADDR.: Station ZNS, P.O. Box 48, Nassau. – **L.P.:** Dir.: K. R. Igraham O.B.E. St. Mgr.: H. R. Bethel.
HOME SERVICE in E.: ZNS 1540 kc/s 195 m 5 kW 11.30–04.00. **N.:** 13.15, 18.15, 00.15. – **National Music:** D. 22.30–23.00. – **Weather-rep.:** 17.00–03.50. – **VER.** by QSL-card.

★ BARBADOS ★

Local Time: 4 h. behind GMT. – **Language:** English.

BARBADOS REDIFFUSION SERVICE LTD.
ADDR.: Trafalgar St., Bridgetown, M.5.
STATION: ZNX32 7547 kc/s 39.75 m 5 kW
International cricket, tennis and turf club race meetings beamed to Trinidad, British Guiana & Jamaica approx. 16.30–21.30 Sat. and Thurs. at beginning of March and August and medio November only. **VER.** by letter.

★ BERMUDA ★

Local Time: 4 h. behind GMT. – **Languages:** English, Portuguese.

BERMUDA BROADCASTING CO. LTD., (Comm.).
ADDR.: Radio Station ZBM Pitts Bay Road, Hamilton. – **Cable:** ZBM – Bermuda. – **L.P.:** Pres.: H. J. Tucker jun. Gen. Mgr.: W. Staskow.
HOME SERVICE in E. In P. 1½ h. per week.
ZBM1: 1235 kc/s 242.9 m 0.25 kW: W. 10.00–04.00. Sun. 12.30–03.00.
ZBM2: 1340 kc/s 223.3 m 0.25 kW: W. 14.00–22.00. Sun. 13.00–03.00.
N.: 11.45, 16.45, 18.00, 19.00, 20.00, 21.00, 22.00, 23.00, 01.00, 02.00, 03.30.
ANN.: "These are the stations of the Bermuda Broadcasting Comm. This is ZBM1 (or ZBM2)". – **VER.** by letter or QSL-card. Return postage appreciated, but not demanded.

★ COSTA RICA ★

Local Time: 6 h. behind GMT. – **Languages:** Spanish, English.
All stations commercial except TIFC, TIAS and TIUCR.
STATIONS: *=inactive.
Short Waves:

Call	kc/s	m	kW		
1)*TIQ	5995	50.04	1	R. Casino	
1a)TIHBG	6015	49.88	0.75	R. Cristal	12.45–05.00
2) TIFC-3	6037	49.69	0.5d	Faro del Caribe	W. 12.00–05.00, Sun. 12.30–05.15
3) TIGG	6075	49.38	0.5	R. Excelsior	12.00–05.00
4) TIDCR	9615	31.20	3	Diario de Costa Rica	12.00–05.00
2) TIFC-3	9645	31.10	2d	Faro del Caribe	W. 12.00–05.00. Sun. 12.30–05.15
5)*TIUC	9770	30.71		R. Universitaria, San José	

Medium Waves:

Calll	kc/s	kW	Calll	kc/s	kW	Calll	kc/s	kW
1) TIQ	555	0.2	12a)TILS	880	5	1)TIQ	1175	0.5
6) TIU	575	5	13) TILC	900	5	20)TIBSD	1195	1
6a)TIGPH	605	6.5						
4) TIDCR	625	6	14) TIRS	920	10	21)TIALC	1210	3
7) TIBAS	650	8	15) TIOS	940	0.5	22)TIUCR	1235	1
8) TIJC	675	5	16) TIAC	955	15	23)TIGV	1250	2
			16a)TIRH	970	0.5			
1) TIBH	690	2	2) TIFC	995	10	24)TISBJ	1275	2
9) TIRA	735	1	17) TIWG	1040	0.5	25)TIMAR	1350	1
10) TIW	775	4	3) TIGG	1060	1			
10a)TIGPH2	800	3						
11) TISA	830	3	18) TISM	1125	1			
12) TICS	855	5	19) TILX	1150	2			

1) **ADDR.:** Apartado 341, San José. – **L.P.:** Dir. and Owner: Roger Baraliona G. – **ANN.:** "Emisoras de Radio Cristal en San Jose." – **VER.** by letter.
2) **ADDR.:** Apartado 2710, San José. – **L.P.:** Mgr.: Franklin Cabezas. Dir. Prgr.: Pablo Pretiz. Cheif Eng.: Roberto Bedard. – **D.PRGR.:** W. 12.00–05.00; Sun. 12.30–05.15. **Sp.:** W. 12.00–04.00; Sun. 12.45–18.30, 19.30–03.00; Mo. 03.00–04.00 (on m.w. only). – **N.:** 00.30 (Tues.-Sat.). – **English by Radio:** 00.00–00.15 (Tues.-Sat.). – **Tim.-Sign.:** W. 12.00, 13.30. – **Prgr. Prev.:** W. 12.00, 13.30. – **E.:** Tues.-Sun 04.00–05.00; Sun.: 18.30–19.30; Mo. 03.00–04.00 (on s.w. only), 04.00–05.00. – **G.:** Sun. 12.30–12.45, Mo. 05.00–05.15. – **ANN.: E.:** "This is TIFC, the Lighthouse of the Caribbean in San José, Costa Rica." – **Sp.:** "TIFC, faro del Caribe, en San José, Costa Rica." – **VER.** by QSL-card. Return postage appreciated. – **F.PL.:** Expansion of E. transmissions daily 03.00–04.00 s.w. only.
3) **ADDR.:** Apartado Postal 1774, San José. – **L.P.:** Dir. and Owner: Guillermo Grillo O. – **ANN.:** "Emisoras de Radio Excelsior en San Jose, Costa Rica, Centroamerica." – **VER.** by QSL-card or letter.
4) **ADDR.:** Apt. 225, San José. – **L.P.:** Dir. and Owner: Mariono Sanz Soto.
Medium Waves: Adresses & Leading Personalities etc.
6) **Radiopolis,** Apartado 854. San José. – **L. P.:** Mgr. Jorge Castro C. Dep. Mgr.: Fernando Castro C and Carlos Castro C. – **D. PRGR.:** 12.00–06.00. – **F. PL.:** Installation of a TV st. if license granted.
6a) **Alma Tica,** Apartado 800, San Jose. – **L. P.:** Dir. and Owner: Gonzalo Pinto H.
7) **R. Monumental,** San José.
8) **R. Musical,** Apartado 854, San José. – **L. P.: & D. PRGR.:** as for nr. 6.
9) **R. America Latina,** San José.
10) **R. City,** Apartado 835, San José. – **L. P.:** Dir and Owner.: Antonio Murolo Canossa. Dir. Tec.: Alvaro Mora. Dir. Prgr.: Carmen Granados. Dir. of Adm. and Propaganda: Joaquin Vargas R.
10a) **R. Nueva Alma Tica,** Apartado 800, San José. – **L. P.:** Dir. Leonel Pinto H.
11) **La Voz del Tropico,** San José.
12) **La Voz de America,** San José.
12a) **R. Para Ti,** Apartado 3, San José. – **L. P.:** Dir. and Owner: Walter Fernandez P.
13) **R. Hispana,** Cartago.
14) **R. Emisora Athenea,** Apartado Postal 2208, San José. – **L. P.:** Dir. and Owner: Orlando Soleta Montagne. – **D. PRGR.:** 24 h.
15) **R. Titania,** San José.
16) **R. Fides (Emisora Catolica),** Apartados de Correos No. 1933, Avenida 2a, Calles 2 y 4, San José. – **L. P.:** Pres.: Excmo. Mons. Ruben Odio Herrera (Archbishop of San José). Dir. Gen. and Dir. Prgr.: Prof. Mariano Quirós González. Dir. Tec.: Arturo Morales. – **D. Prgr.:** 13.00–04.15 in Sp. and E. – **Ver.** by QSL-card. – **F. Pl.:** s.w. station and TV station.
16a) **R. El Mundo,** Apartado 1339, San José. – **L. P.:** Dir. and Owner: Rafael Hine Ch.
17) **R. Sonora,** San José.
19) **R. Columbia,** San José.
20) **R. Paramount,** San José.
21) **R. Universal,** San José.
22) **R. Universidad,** San José.
24) **R. Libertad,** San José.
25) **R. Tropical,** Heredia.

★ CUBA ★

Local Time: 5 h. behind GMT. – **Language:** Spanish.
All stations commercial exc. COX4/COX7.
STATIONS: Short Waves: C=Circuito. *=inactive.

Call	kc/s	m	kW		
1) COX7*	4290	69.70	5	Ministerio de Education	
2) COCW*	5045	59.46	1	C. Nacional Cubano	
3) COCO*	6010	49.92	5	Periodico del Aire	
4) COCD*	6130	48.94	1	La Voz del Aire	
5) COCY*	6450	46.51	1	R. Siboney	
6) COBZ*	9026	33.23	1	R. Salas	
7) COBQ*	9235	32.49	1	R. Onda Musical Cubana	
8) COBC	9362	32.05	1	R. Progreso	10.30–06.00
3) COCO*	9535	31.46	5	Periodico del Aire	
7) COBQ*	9540	31.45	1	R. Onda Musical Cubana	
9) COJK	9620	31.19	1	Voz del Camagüeyana Camagüey	13.00–04.30
1) COX4*	9640	31.12	5	Ministerio de Education	
10) COCQ	9670	31.02	5	Circuito CMQ	10.53–05.33
11) COKG	9740	30.80	1	Cadena Oriental de Radio Stgo. de Cuba	11.55–06.00
5) COCY*	11740	25.55	1	R. Siboney	
13) COBH*	11800	25.42	1	R. Cadena Habana	
12) COBL	9833	30.51	1	R. Aeropuerto Habana	12.00–05.00
6) COBZ*	17820	16.84	1	R. Salas	
8) COBC*	17850	16.81	1	R. Progreso	
5) COCY*	21620	13.87	1	R. Siboney	

Medium Waves: Habana.
12.00–05.00 (some 06.00).

	Call	kc/s	kW		Call	kc/s	kW
5)	CMCY	550	15.	6)	CMBZ	830	5
2)	CMW	590	2.5	12)	CMBL	860	25
10)	CMQ	630	50	20)	CMCF	910	10
14)	CMCU	660	5	10)	CMBF	950	10
8)	CMBC	690	50	3)	CMCK	980	5
	CMCA	730	10	21)	CMBQ	1010	5
4)	CMCD	760	10	22)	CMCX	1060	10
13)	CMCH	790	10	15)	CMCO	1230	0.25

	Call	kc/s	kW
11)	CMCI	1260	5
16)	CMCB	1330	1
17)	CMBX	1390	0.25
12)	CMOX	1490	0.25
1)	CMZ	1560	5

+ 11 low power st.

Pinar del Rio (Province):

	Call	kc/s	kW
8)	CMAF	680	1.0
23)	CMAB	740	5
2)	CMAN	840	1
10)	CMAQ	920	1
14)	CM–	990	0.25

+ 5 low power st.

Matanzas (Province):

	Call	kc/s	kW
5)	CMGN	960	0.5
2)	CMGF	1240	0.25
11)	CMGU	1340	0.25
11)	CMGL	1400	0.25

+ 3 low power st.

Santa Clara (Las Villas, Province):

	Call	kc/s	kW
2)	CMHI	570	10
10)	CMHQ	640	15
8)	CMHG	670	1
20)	CMHB	780	1
5)	CMHW	810	1
20)	CMHD	890	1
14)	CM–	940	0.25
19)	CMHT	990	1
11)	CMHM	1130	1
23)	CMHK	1210	1
	CMHO	1310	1
25)	CMHC	1410	1

+ 11 low power st.

Camaguey (Province):

	Call	kc/s	kW
	CMJE	680	1
8)	CMJI	700	1.0
11)	CMJY	760	1
10)	CMJB	900	1
10)	CMJL	920	10
2)	CMJN	960	1
11)	CMJG	1000	1
26)	CMJR	1030	1
27)	CMJK	1160	1
28)	CMJC	1270	1
29)	CMJF	1340	1

+ 14 low power st.

Oriente (Province):

	Call	kc/s	kW
20)	CMKM	560	5
2)	CMKV	600	1
10)	CMKU	630	2
8)	CMDP	680	1.0
8)	CMKP	670	1
10)	CMKJ	740	10
30)	CMKC	770	1
11)	CMKL	800	2
31)	CMDQ	840	1
2)	CMKN	930	1
11)	CMKD	970	1
31)	CMDW	1030	1
32)	CMDL	1150	1
20)	CMKB	1170	1
30)	CMDC	1290	1

+ 27 low power st.

FM. 12) 92.9 mc/s 0.25 kW. – 12) 100.1 mc/s 0.25 kW. – 14) 101.5 mc/s 0.25 kW.

1) **ADDR.:** Concejo Corporativo, Columbia, Habana. – 2) **ADDR.:** Calle O. Num. 216, Vedado, Habana. – 3) **ADDR.:** Simón Bolivar 314, Habana.

4) **ADDR.:** Hotel Palace, 25 y G. Vedado, Apartado Correos 294. Habana. **Cable:** "Vozaire". – **ANN.:** "La Voz del Aire", a sus gratas órdenes", every 15 minutes. – **INT.-SIG.:** Gong. – **VER.** by QSL-card.

5) **ADDR.:** "La Voz del Indio", R. Siboney, Zanja y Escobar, Habana. – 6) **ADDR.:** San Rafael 108, segundo piso, Habana. – 7) **ADDR.:** Vista Alegre 269, Vibora, Habana. – 8) **ADDR.:** Avenida Menocal 105, Habana. – **VER.** by letter. – 9) **ADDR.:** Finlay No. 4, Camagüey.

10) **ADDR.:** Circuito CMQ, S. A., Radiocentro, Vedado, Habana. – **L. P.:** Pres.: Goar Mestre. Dep. Pres.: Abel Mestre. Dir. Prgr.: Manuel Cores. Dir. Tec.: Raul Lopez Guiral. Dir. Information: M. A. Martin. Dir. Publ. Relations: A. Schwerert.

D. PRGR.: N.: 11.00 (exc. Mo.), 11.30 (exc. Mo.), 11.56 (exc. Mo.), 12.25 (exc. Mo.), 12.41 (exc. Mo.), 15.55 (Sun), 16.54 (W.), 17.25 (W.), 22.55 (W.), 23.12 (Local), 23.23 (W.), 01.55 (exc. Mo.), 04.00 (exc. Mo.), 05.16 (exc. Mo.). – **ANN.:** "CMQ desde Radiocentro La Habana". – **INT.-SIG.:** "Canto Siboney" played on organ. – **VER.** by QSL-card.

11) **ADDR.:** COKG/CMKL: Estrada Palma No. 658, Santiago, Cuba. CMCI: Campanario 215, Habana. **Cable:** "Cor". – **VER.** by QSL-card.

12) **ADDR.:** "Jose Marti", Rancho Boyeros, La Habana. – **L. P.:** Dir. Gen.: Sergio Vidal Cayro. Dir. Adm.: Carlos René Cabrera. Dir. Tec.: Jorge Inclán.

D. PRGR.: On 860 kc/s: 12.00–06.00 (25 kW), 06.00–12.00 (1 kW). On 9833 kc/s: 12.00–06.00. FM: 24 h. – **VER.** by QSL-card or letter. – **F. PL.:** National Network 1958.

13) **ADDR.:** San José 104, Habana.

Medium Waves: Addresses etc.

14) **R. Garcia Serra, S.A.,** Prado No. 260, Apt. de Correos No. 232, Habana. – **L. P.:** Dir. Gen.: Roberto García Serra. Directors: Jorge, Mario and Evelio García Serra. – **D. Prgr.** in Sp. and E.: 12.30–06.30. – **VER.** by letter.

15) **R. Circuito del Caribe,** Prado 111, Habana. – **D. Prgr.:** 24 h. – **Time-Sig.:** Every minute. – 16) **R. Reloj S. A.,** Radiocentro, Vedado, Habana. **D. Prgr.:** 24 h. **Time-Sig.:** Every minute. – 17) **R. Alvarez,** San Miguel 570, Habana. – **L. P.:** Pres. A. Alvarez. Dir. Press and Information: E. Espinoza. Dir. Prgr.: O. Gonzalez. **D. Prgr.:** 13.00–05.00. – 18) **Cubana-Americana de Radio,** Calle 10, No. 423, Vedado, Habana. **D. Prgr.:** 12.00–05.00 in Sp. and E.

19) **R. Nacional,** Luz Caballero 4, Norte, Apartado 103, Sancti-Spiritus. – **L. P.:** Dir. Adm.: H. S. Padrón. Sales Dir. B. L. Osorio. Dir. Tec.: M. S. Padrón. Dir. Rel. Dept.: L. R. Jiménez. – **D. Prgr.:** 11.55–04.35. – **VER.** by letter.

20) **Union Radio, S.A.,** La Rampa, 23 e Infanta, Habana. – 21) **R. Continental,** Prado y Colon, Habana. – 22) **Emisora CMCX,** Edificio Odontológico, L y 23, Vedado, Habana. – 23) **Emisora CMAB,** Macco esquina a Rosario, Pinar del Rio. – 24) **Emisora CMHK,** Heredia 61, Cruces. – 25) **Emisora CMHC,** Cuba 57, Santa Clara. – 26) **Org. Insular Radio,** Villa Maria, C. Central, Camagüey – 27) **Emisora CMJK,** Finlay No. 4, Camagüey. – 28) **Cadena Camagueyana de Radio,** Independencia 308, Camagüey. – 29) **R. Camagüey, S.A.,** Ave. del Aeropuerto, Camagüey. – 30) **R. Oriente, S.A.,** Aguilera 511, Santiago de Cuba. – 31) **R. Victoria, CMDQ:** Victoria de las Tunas. – CMDW: Santiago de Cuba. – 32) **Emisora CMDL,** Calle 1a, entre Ave., Los Alamos y 24 de Febrero, Santiago de Cuba. –

★ DOMINICAN REPUBLIC ★

Local Time: 5 h. behind GMT. – **Language:** Spanish.
All stations commercial.

DIRECCION GENERAL DE COMUNICACIONES

ADDR.: Ciudad Trujillo, Distrito de Santo Domingo. – **L.P.:** Dir. Gen. de Comunicaciones: Sr. Guarionex Saladin, O.G., M. M., Mayor Técnico de Comunicaciones, E.N.

STATIONS: Short Waves: 11.00–05.00 (exc. where indicated).

	Call	kc/s	m	kW	*=inactive.
1)	HI3C	2440	122.8	1	Casa Puerto Rico Inc., La Romana
2)	*HI1Z	3245	92.44	0.5	Broadcasting Nacional
3)	HI7T	3285	91.32	1	Voz Dominicana 11.00–04.00
4)	HI2S	3345	89.68	0.2	Onda Musical
5)	HI3H	3355	89.42	0.5	La Voz de la Alegria
6)	HI4V	3375	88.89	0.5	R. Bani "La Voz del Sur"
7)	HI5B	3385	88.63	0.5	Emisoras HI4B/HI5B
8)	HI5C	4875	61.54	0.25	La Voz del Progreso 12.00–03.00
9)	HI9B	4910	61.10	0.5	Emisora HI9B
10)	HI3K	4980	60.25	0.25	Ondas del Yague
11)	HI8Z	5030	59.64	0.2	R. Santiago
12)	HI2L	5055	59.36	0.5	La Voz del Tropico
3)	HI4T	5970	50.25	7.5	La Voz Dominicana 11.00–04.00
13)	HI1J	6025	49.79	0.1	La Voz de Oriente
14)	HI1N	6050	49.59	0.7	La Voz de la Reeleccion
2)	HI1Z	6112	49.08	1	Broadcasting Nacional
15)	HI1G	6130	48.94	0.25	Radiodifusora HIG
11)	HI8Z	6140	48.86	0.5	R. Santiago
16)	HI1R	6160	48.70	0.2	Voz de Fundacion
17)	HI9T	6190	48.47	0.1	Broadcasting Tropical
15)	*HI2G	9590	31.28	0.25	Radiodifusora HIG
3)	HI2T	9735	30.82	7.5	Voz Dominicana 11.00–04.00

Medium Waves:

	Call	kc/s	kW		Call	kc/s	kW		Call	kc/s	kW
13)	HI1J	610	0.5	17)	HI9U	1240	0.25	19)	HI1L	1400	0.25
3)	HI3T	620	10	8)	HI4C	1250	1/0.1	4)	HIT	1400	0.25
12)	HI1L	790	0.5	6)	HI3V	1310	0.5	20)	HI4F	1440	0.25
11)	HI9Z	820	1/0.1	10)	HI2K	1310	0.5	21)	HI5K	1440	0.25
15)	HIG	950	0.25	7)	HI4B	1330	0.5	16)	HI2R	1450	0.25
9)	HI8B	1050	1/0.1	2)	HIZ	1350	1	5)	HI2H	1490	0.2
14)	HIN	1220	0.75	18)	HI6T	1380	1	22)	HI1A	1490	0.25
								23)	HI2A	1490	0.04

2) **ADDR.:** Edificio Copello, calle El Conde, Ciudad Trujillo. **L.P.:** Dir. Ing.: Frank Hatton. **ANN.:** "Transmite Emisoras HIZ y HI1Z, C. Trujillo, La Republica Dominicana". – 3) **ADDR.:** Av. Ciudad de Miami No. 8, Ciudad Trujillo. **Cable:** "Dominicana". **L.P.:** Pres.: General J. Arismendo Trujillo Molina. Dir. Gen.: A. E. Santamaria Demorizi. Dir. Tec.: A. Soto. – **D.PRGR.:** N.: 21.00–21.25, 03.00–03.30. **Weatherrep.:** 01.30. **ANN.:** "Al Servicio de la Cultura y el Progreso en general, transmite La Voz Dominicana, desde Ciudad Trujillo, Distrito de Santo Domingo, Capital de la Republica Dominicana". **VER.** by QSL-card. – 4) **ADDR.:** Calle Dr. Faura No. 4, Ciudad Trujillo. **L.P.:** Dir. R. Pacheco. – 5) **ADDR.:** Calle Real No. 119 (Villa Duarte), C. Trujillo. **L.P.:** Dir. R. T. Labrador. – 6) **ADDR.:** Calle Uladislao Guerrero No. 12, Bani. **L.P.:** Dir. M. E. Bello Hijo. – 7) **ADDR.:** Calle Maximo Gomez No. 14, Santiago de los Caballeros. – **L.P.:** Dir. Abraham Vanderhorst. – 8) **ADDR.:** Calle Presidente Trujillo No. 41, San Francisco de Macoris. **L.P.:** Dir. J. Raposo Peralta. – 9) **ADDR.:** Calle 30 de Marzo No. 54, Santiago de los Caballeros. **L.P.:** Dir. J. L. Sanchez. **VER.** by QSL-card. – 10) **ADDR.:** Edificio El Rubio, 3r. piso., Santiago. **L.P.:** Dir. R. Candelario Llenas. – 11) **ADDR.:** Calle 30 de Marzo No. 25, Santiago de los Caballeros. **L.P.:** Dir. L. Felipe Moscoso C. – 12) **ADDR.:** Calle Abreu No. 30, Ciudad Trujillo. **L.P.:** Dir. J.C. Pellicer. **VER.** by QSL-card. – 13) **ADDR.:** Calle Sanchez No. 135, San Pedro de Macoris. **L.P.:** Dir. F. M. Donastorg. **VER.** by QSL-card. – 14) **ADDR.:** Calle Presidente, Trujillo esq. Benito Moncion, Santiago de los Caballeros. **L.P.:** Dir. E. Pou. – 15) **ADDR.:** Avenida Mella No. 150, C. Trujillo. **L.P.:** Dir. A. C. Puello. **ANN.:** "Radiodifusora Nacional, Emisora HIG, Republica Dominicana". – 16) **ADDR.:** Hotel San Cristobal, San Cristobal. **L.P.:** Dir. L. Alberti. **ANN.:** "Transmite la Voz de Fundacion des de San Cristobal, Republica Dominicana". **VER.** by QSL-card. – 17) **ADDR.:** Av. Generalisimo Trujillo No. 34, Puèrto Plata. **L.P.:** Dir. L. A. Pelegrin. **VER.** by QSL-card.

PICTURES FROM THE RADIO-WORLD

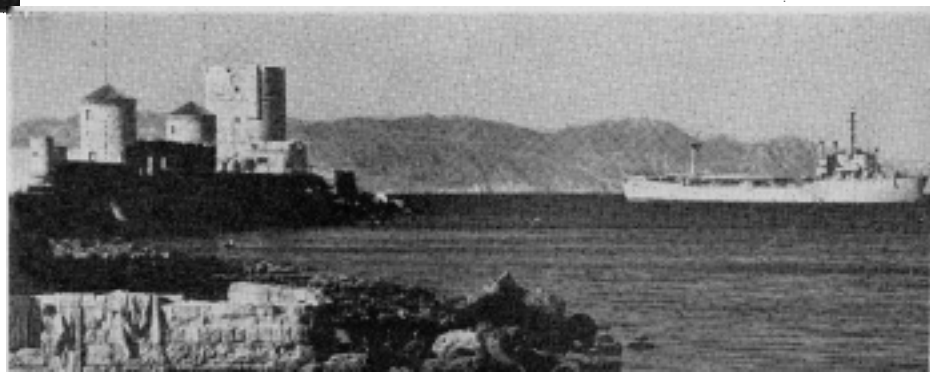
Tanganyika Dar-es-Salam:
Two members of the TBC Programmes staff Miss Hadija Saidi and Stephen Mladie. Programmes in Kiswahili are broadcast daily (except sundays) from 15.00–18.00 GMT.

↑ **Danish Short Wave Service:**
Four staffmembers of the Danish short wave department discussing the reception-conditions of the Danish Short Wave transmissions. From left Olaf Becker, Deputy Dir. Ib Wiedemann, Miss Elena Vollquartz and the English collaborator Dudly Platt.

British Guiana:
Elementary School children recording in "Little Songs for Little People".

Central African Broadcasting Service:
Susan Manda of NKhata Bay Nyasaland; one of the popular group named "The Sun Valley Sisters". Exclusive R.C.A. recording artists.

↑ **Radio Nederland:**
Wedding-party on the ice near the Island of Marken. Radio Nederland's Spanish reporter Jose M. Olona interviewing the bridegroom.



→ **The Voice of America:**
The floating relay base of the Voice of America. The "Courier", which is anchored offshore, enables the Voice of America to rebroadcast some of its programs in areas not heretofore serviced by a good signal. This view was photographed near the Island of Rhodes.

Pictures from the Radio-World anganyika Dar-es-Salam Hadija Saidi Stephen Mladie Guiana Denmark Olaf Becker Ib Wiedemann Elena Vollquartz Dudly Platt Central African Broadcasting Service Susan Manda Jose M. Olona Radio Nederland Voice of America VoA MS Courier Offshore

★ EL SALVADOR ★

Local Time: 6 h. behind GMT. – **Language:** Spanish.
All stations commercial exc. YSS (Govt).
Government Dept. for Broadcasting, Ministerio del Interior, Palacio Nacional, San Salvador. – **L.P.:** Alberto Diaz.
Short Waves: *=inactive.

	Call	kc/s	m	kW	m.w.	name & hours of transmission
1)	YSC	4740	63.23	1	1015	Ondas Populares y Deportivas
2)	YSU	4780	62.76	1	1050	R. Mil Cincuenta 12.00–05.00
3)	YSDR	4800	62.50	1	820	R. Tropical 12.30–14.30, 18.00–04.00
4)	YSABC	4820	62.24	5	1100	Radioemisora Salvadoreña
5)	YSCB	4840	61.98	0.5	1175	La Voz del Pacifico
6)	YSW	5985	50.13	1	930	R. del Pueblo 13.00–15.00, 18.00–20.00, 00.30–04.00
7)	YSS	6010	49.92	10	655	Alma Cuscatleca 18.00–19.00, 00.00–04.00
4)	YSABC	6030	49.75	5	1100	Radioemisora Salvadoreña
16)	YSR	6050	49.59	5	1330	La Voz de El Salvador 12.00–05.00
1)	YSC	6095	49.22	1	1015	Ondas Populares y Deportivas 11.00–06.00
8)	YSI	6130	48.94	3	1250	R. Emperador
9)	YSHQ	6170	48.62	0.15	950	R. Progreso 16.00–20.00, 23.00–05.00
10)	YSMA	6180	48.54	0.5	1230	La Voz Suprema de Occidente 12.00–04.00
2)	YSU	6190	48.47	1	1050	R. Mil Cincuenta 12.00–05.00
11)	YSO	9515	31.53	1	870	La Voz de la Democracia 12.00–15.00, 17.00–21.00, 23.00–04.00
7)	YSS	9555	31.40	10	655	Alma Cuscatleca 18.00–19.00, 00.00–04.00
12)	*YSY	11725	25.58	1	970	R. Victoria
13)	*YSAX	11950	25.10	0.3	800	La Voz Panamericana

Medium Waves:

Call	kc/s	kW	Call	kc/s	kW	Call	kc/s	kW
7) YSS	655	10	9) YSHQ	950	0.15	18) YSCF	1150	1
14) YSQR	700	1	12) YSY	970	1	5) YSCB	1175	0.5
22) YSKL	760	0.5	16) YSDF	990	50	19) YSHP	1200	0.25
13) YSAX	800	5	1) YSC	1015	1	10) YSMA	1230	1
3) YSDR	820	1	2) YSU	1050	10	8) YSI	1250	3
15) YSF	840	0.5	17) YSEB	1075	10	16) YSR	1330	5
11) YSO	870	1	4) YSABC	1100	5	21) YSJA	1400	1
6) YSW	930	1						

FM: 16) 88.1 mc/s 5 kW R. Cadena Tropical.
1) 14a Avenida Norte, Frente a la Iglesia de Conception, S. Salvador. – **Owner:** Felipe O. Valenzuela. – **ANN.:** "Esta es YSC. R. 1015 Ondas Populares y Deportivas en San Salvador, Centro America. Laboremus por la Paz, la Cultura y el Deporte".
2) Av. Cuscatlan y 12 a Calle Pomiente No. 2, S. Salvador. – **Owner:** Raul Trabanino. – **VER.** by letter.
3) Av. Independencia Norte No. 6, Santa Ana. – **Owner:** José Meardi. **ANN.:** "YSDR Radio Tropical en Santa Ana, El Salvador, Centro America". – **INT.-SIG.:** Gong and Xylophone.
4) Kms 134 y 136 Carretera a S. Miguel. – **Owner:** Raul Trabanino.
5) Ubinacion 9a Av. Norte No. 45, Barrio El "Angel", Sonsonate. – **Owner:** Francisco A. G. Gutierrez.
6) Colonia Santa Lucia No. 43, Bis, Santa Ana. – **Owner:** Alejandro C. Vides. – **VER.** by QSL-card.
7) Altos del Teatro, Nacional, San Salvador. – **D.PRGR.:** "**Panorama Italiano**": Thurs. 01.00–01.30. – **INT.-SIG.:** Gong and Xylophone.
8) Calle Arce 28, San Salvador. – **Owner:** Fernando A Piza.
9) 10a Calle Poniente No. 6, Bis, S. Miguel. – **Owner:** Alberto C. Villa.
10) Primera Av. Sur No. 8 or Apartado Postal 98, Santa Ana. – **L.P.:** Dir. Gen.: Gil Ovidio G. Castro. Dir. Prgr.: R. Martinez. Chief Eng.: R. Aguilar Moran Jr. – **D. PRGR.: N.:** 13.30, 18.00, 23.45, 03.30. – **National Music:** 12.00–13.00, 17.00–17.30, 01.00–02.00. – **Mailbag:** 13.00, 18.30, 01.30. – "**E. by R.**": 00.45–01.00. – **Weatherrep.:** 14.30. – **ANN.:** "Transmite YSMA "La Voz Suprema de Occidente" desde Santa Ana, Republica de El Salvador, en la América Central". – **VER.** by letter. – **F.PL.:** Increase of m.w. to 5 kW and change of frequency. – **Publication:** Notas de YSMA (monthly).
11) 6a Calle Oriente No. 28, San Salvador. – **Owner:** Sra. Blanca M. de Nussen. – **VER.** by QSL-card.
12) Calle Gerardo Barrios No. 43, S. Salvador. – **Owner:** Dionisio Vega.
13) 2a Av. Sur No. 25, S. Salvador. – **Owner:** Sra. Carmen V. de Alfaro.
16) YSDF (La Voz del Tropico) and YSR (La Voz de El Salvador), 4a Av. Norte No. 16, S. Salvador. – **L.P.:** First Dir.: José A. Meardi. Dir. Gen.: B. Serpas R. Dir. Prgr.: R. Mendoza. – **D. PRGR.:** 12.00–05.00. – **N.:** 13.15, 19.15, 00.45. – **Time Sig.:** Every 15 mins. – **INT.-SIG.:** Folklore music. – **VER.** by letter. – **F.PL.:** YSDF-TV Jan. 1957.

★ GUADELOUPE (French West Indies) ★

Local Time: 4 h. behind GMT. – **Language:** French.
ADDR.: R. Diffusion Française Préfecture, Basse-Terre.
HOME SERVICE:
658 kc/s 456 m 1 kW – FG8HA 7430 kc/s 40.37 m 0.05 kW
In F. from 10.00–11.30, 16.00–17.30 and 22.45–01.00 (Sun. 21.30–22.15). – **N.** at 10.30, 16.30 and 23.20.
ANN.: "Ici Radio Guadeloupe, Poste National Français".
INT.-SIG.: Guitar.

★ GUATEMALA ★

Local Time: 6 h. behind GMT. – **Language:** Spanish.
DIRECCION GENERAL DE RADIODIFUSION
ADDR.: Edificio de la Tipografia Nacional, Calle "18 de Septiembre" v 7A, Av. Sur, Guatemala.
All stations commercial exc. R. Nacional (La Voz de Guatemala) & R. Cultural (Religious).
Short Waves:

	Call	kc/s	m	kW	name & h. of tr.
1)	TGZB	3355	89.42	0.09	R. Programas de Guatemala
2)	TGLAB	4900	61.22	0.02	R. Victoria W.: 12.00–16.00, 17.30–21.00, 23.30–04.00. Sun.: 12.00–15.00, 17.00–20.00, 23.00–02.00
3)	TGNA	5952.5	50.40	5	R. Cultural 12.12–14.00, 18.00–20.30, 22.30–04.45
2)	TGLA	5970	50.25	0.5	R. Victoria
4)	TGAR	5980	50.17	1	R. Quetzal W. 12.50–06.00. Sun. 13.00–02.00
5)	TGJA	5990	50.08	3	R. Nuevo Mundo 13.00–05.00 (Mo. 03.00)
6)	TGTA	6000	50.00	0.25	R. Sonora W. 11.55–06.00, Sun. 11.55–00.00
7)	TGDA	6020	49.83	0.5	La Voz de Occidente W. 16.00–04.00
8)	TGTQ	6030	49.75	2	R. Internacional W. 14.00–02.00, Sun. 14.00–21.00
9)	TGCO	6040	49.67	0.5	La Voz del Tropico
10)	TGXB	6050	49.59	0.8	R. Centro Musical W. 12.00–04.00, Sun. 14.00–01.00
11)	TGXX	6060	49.50	1.5	R. Ciros D. 12.30–06.00
12)	TGPA	6070	49.42	0.25	R. Palmeras 12.55–19.30, 01.30–03.00, Sun. 13.25–19.30, 00.45–03.00
13)	TGCB	6080	49.34	0.25	R. Colonial
14)	TGOA	6100	49.18	0.3	La Voz de las Americas 11.00–07.00
15)	TGQA	6110	49.10	1	R. Nacional W. 12.59–04.00, Sun. 16.00–24.00
16)	TGHC	6140	48.86	0.5	R. Universal W. 12.00–05.00, Sun. 14.30–04.30
17)	TGAZ	6150	48.78	0.5	R. Continental W. 12.00–06.00, Sun. 12.00–02.00
1)	TGZA	6160	48.70	0.25	R. Programas de Guatemala
18)	TGWB	6180	48.54	1	R. Nacional 12.00–06.00
19)	TGKN	6200	48.39	0.1	R. Novedades W. 13.00–05.00, Sun. 20.00–02.00
3)	TGNB	9668	31.03	5	R. Cultural 20.30–22.30, 03.00–04.45
18)	TGWA	9760	30.74	10	R. Nacional 12.00–06.00
20)	TGCX	11750	25.53	0.35	R. Cristal D. 14.00–16.00, 17.30–21.30, 00.00–04.00
3)	TGNC	11850	25.32	5	R. Cultural 20.30–22.30

Medium Waves:

Call	kc/s	kW	Call	kc/s	kW	Call	kc/s	kW
12) TGPR	575	0.25	24) TGCQ	980	1	2) TGL	1245	0.5
21) TGY	590	1	25) TGUX	1020	1.5	4) TGAQ	1270	1
18) TGW	640	10	10) TGXA	1050	0.6	27) TGMU	1300	0.2
22) TGHR	700	0.3	7) TGD	1070	0.5	15) TGQ	1310	1
3) TGN	720	5	20) TGC	1080	0.35	28) TGTL	1340	5
23) TGRF	750	0.5	19) TGK	1100	0.8	29) TGR	1350	0.25
16) TGHB	780	1	14) TGO	1140	0.8	6) TGT	1390	0.25
8) TGTO	820	5	1) TGZ	1170	0.5	30) TGMS	1450	0.5
11) TGX	850	1.5	13) TGCA	1190	0.25	31) TGAG	1460	0.5
5) TGJ	880	5	26) TGED	1210	0.5	18) TGWC	1520	1
17) TGAX	950	1						

Short Waves:

1) **ADDR.:** 1a Av., y 15 Calle, 0–95, Z-1, Guatemala. – **L.P.:** Owner: Salvador Marroquin. – **ANN.:** "Transmite Radio Programas de Guatemala".
2) **ADDR.:** 8a Calle Poniente 18, Mazatenango. – **L.P.:** Owner: Felix P. Monteagudo.
3) **ADDR.:** Apt. 601, Guatemala. – **L.P.:** Dir. Harold van Broekhoven. – **D.PRGR.: Sp.:** D. 12.30–14.00, 18.00–20.30 on 720, 5952.5

kc/s. E.: D. 03.00–04.45 on 9668, 5952.5 kc/s. – E. by Radio: W. 13.00–13.15 on 720, 5952.5 kc/s. – VER. by QSL-card or letter. Return postage required.
4) ADDR.: 12 Av., 26–27, Z-5, Guatemala. – L.P.: Owner: Marco T. de la Rosa. – ANN.: "Guatemala, Aqui es, Radio Quetzal 1270 kc/s onda larga, 5980 kc/s onda corta en banda de 49 metros".
5) ADDR.: 6a Av., 10–45, Z-1, Guatemala. Cable: "Cidio". – L.P.: Owner: Augusto Monterroso. – ANN.: "Radio Nuevo Mundo, Ciudad de Guatemala". – VER. by QSL-card.
6) ADDR.: 6a Av., 14–35, Z-1, Apartado 401, Guatemala. – L.P.: Owner: Max Ruiz. – ANN.: "Radio Sonora la emisora que da la hora 1390 kc/s onda larga, 6000 kc/s onda corta en 49 metros". – VER. by QSL-card or letter.
7) ADDR.: Independencia 8, Quezaltenango. – L.P.: Owner: José L. del Cid.
8) ADDR.: 5a Av., 10–35, Z-1, Guatemala. – L.P.: Owner: José Monteros L. – D. PRGR.: N.: W. 18.15, 01.15. – ANN.: "La Voz de la Capital desde Guatemala" in Spanish, English & French. – INT.-SIG.: Electrical Xylophone. – VER. by QSL-card.
9) ADDR.: 7a Avenida y 4a Calle, Coatepeque. – L.P.: Owner: Gilberto Calderon.
10) ADDR.: Pasaje Aycinena, 8–27, Z-1, Guatemala. – L.P.: Owner: Roberto Andreu S. – N.: 18.30, 19.00, 00.30. – ANN.: "TGXA Radio Centro Musical. 1050 kc/s onda larga, 6050 kc/s en banda internacional de 49 metros". – VER. by QSL-card or letter.
11) ADDR.: 3a Av., 19–45, Z-1, Guatemala. – L.P.: Owner: Roberto Castillo. – N.: 18.15, 00.45, 01.15. – ANN.: Radio Ciros la emisora musical de Guatemala onda larga 850 kc/s TGX onda corta 6060 kc/s TGXX". – VER. by QSL-card or letter.
12) ADDR.: 6a Calle Oriente, 1-A, Escuintla. – L.P.: Owner: Carlos H. Melgar.
13) ADDR.: Calle Portocarrero 6, Antigua. – L.P.: Owner: Julio G. Palencia.
14) ADDR.: 2a Av., 13–39, Z-1, Guatemala. – L.P.: Owner: Marco T. Illescas. – N.: 05.00. – ANN.: "La Voz de las Americas saludando toda la America desde la Ciudad de Guatemala". – VER. by QSL-card or letter. – FM: 101.7 mc/s 0.04 kW.
15) ADDR.: 5a Av. Norte No. 26, Quezaltenango. – L.P.: Dir. J. Antonio Gonzalez. – N.: as TGW. – ANN.: "Dios, Patria, Libertad esta es TGQ, Radio Nacional de Quezaltenango". – VER. by QSL-card or letter.
16) ADDR.: 7a Av., 14–74, Z-1, Guatemala. – L.P.: Owner: O. E. Conde Garcia. – N.: 19.00, 02.30. – ANN.: "Radio Universal en Guatemala; baluarte anticomunista". – VER. by QSL-card or letter.
17) ADDR.: 13 Calle, 12–26, Z-1, Guatemala. – L.P.: Owner: Roberto Vizcaino. – N.: 13.00, 14.45, 19.00, 19.30. – ANN.: "Defunde la Emisora mas perfecta y de alta calidad, Radio Continental, una emision para toda la Republica". – VER. by QSL-card or letter.
18) ADDR.: Calle "18 de Septiembre" y 7a Av., Z-1, Guatemala. – L.P.: Dir. Gen.: José Torón Barrios. Vice Dir.: Rodolfo Gutierrez. M. Dir. of Public Relations: Sonia Bolaños P. Chief-Eng.: Alfredo Solorzano. – D. PRGR.: E. lessons daily 15.30. – N.: each hour and 17.45, 19.00, 23.45, 03.00, 04.45. – National Music: 16.00, 19.00, 22.00, 03.45. – ANN.: "Dios-Patria-Libertad – TGW Radio Nacional de Guatemala". – VER. by QSL-card. – F.PL.: m.w. to 50 kW, s.w. to 100 kW.
19) ADDR.: 9a Calle "A", 4–50, Z-1, Guatemala. – L.P.: Owner: German Duarte. – N.: 18.45, 01.00, 02.00, 03.00. – ANN.: "TGC en la Ciudad de Guatemala. Radio Novedades 1100 kc/s onda larga, 6200 kc/s onda corta en la banda internacional de 49 m. Radio Novedades, la emisora que llega más allá de donde no llegan otras". – VER. by QSL-card or letter.
20) ADDR.: 9a Avenida, 9–30, Z-1, Guatemala. – L.P.: Owner: Guillermo Andreu.
Medium Waves, Addresses & Leading Personalities:
21) "R. Progreso", Calle "Marti" 10-39, Z-2, Guatemala. – L.P.: Owner: Humberto Andrino. – 22) "R.A.B.C", 2a Av., 17-31, Z-3, Guatemala. – L.P.: Owner: Mario Quintana. – 23) "R. Faro Aviateca", 2a Calle, 6-33, Z-9, Guatemala. – L.P.: Owner: Rodolfo Santa Cruz. – 24) "R. Central", 7a Av., 14-74, Z-1, Guatemala. – L.P.: Owner: Oscar E. Conde Garcia. – 25) "R. Panamericana", 13 Av. 13-32, Z-1, Guatemala. – L.P.: Owner: Jaime Paniagua. – D.Prgr.: W.11,55–06.00, Sun. 11.55–05.00. – 26) "La Voz de la Capitol", 3a Av., 13.07, Z-1, Guatemala.–L.P.: Owner: Eduardo Dougherty. –27)R.TGMU, 13 Calle y loa Av., Z-1, Guatemala. – L.P.: Owner: Mario Wunderlich. S. – 28) "La Voz de la Telefunken", la Av., 3-63, Z-1, Guatemala. L.P.: Owner: Eduardo Mayorga L. – D.Prgr.: W. 12.30–06.00, Sun. 15.00–04.00. – 29) "Emisora de la Policia Nacional", 6a Av. y 14 Calle, Guatemala. – 30) "R. Nacional", 4a Av. y 8a Calle, Mazatenango. – L.P.: Dir. W. Alfred López S. – 31) "La Voz de Huehuetenango", Huehuetenango. – L.P.: Mauro Guzmán Morales.

★ HAITI ★

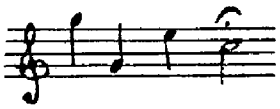
Local Time: 5 h. behind GMT. – Language: French.
STATIONS: Short Waves: *=inactive.

Calll	kc/s	m	kW	Name	h. of tr.
1) 4VGS	5020	59.76	0.4	R. Independance	11.00–14.00, 17.00–20.00, 23.00–02.30
2) 4VPM	5040	59.52	0.225	La Voix du Nord-Ouest, Port de Paix	11.00–19.00, 23.00–03.00
1)*4VDP	5060	59.28	1.5	R. Independance	
3)	5060	59.28		La Voix de Gonaives, Gonaives	00.00–03.00
4) 4VPL	5900	50.84	0.15	Petionville Broadc. Syst.	20.00–03.00
5)*4V2S	5950	50.42	1	R. Port-au-Prince	
6) 4VHW	5990	50.08	1.5	R. Haiti	12.00–03.00, (Sun. 14.30 23.00–)
7) 4VYM	6010	49.92	0.5	Radiodiffusion Haitienne	16.30–19.30, 23.00–02.00
8) 4VB	6091	49.26	7.5	R. Commerce	22.00–03.30
9) 4VE	6105	49.14	0.4	La Voix Evangélique	10.00–14.30, 22.00–03.30 (Sun., Tues. 04.30)
10) 4VWA	6155	48.74	0.15	R. Citadelle	11.00–13.30, 21.00 (Sun. 19.00)–03.30
11) 4VCM	6165	48.66	1	Magloire Broadcasting Circuit (MBC)	11.00–04.00
12) 4VCP	6198	48.40	0.15	La Voix du Nord	17.00–19.30, 23.00–02.00
13)*4VCN	6406	46.83	0.15	R. Tropiques	
4)*4VPB	9000	33.33	0.15	Petionville Broadc. Systm.	
8) 4VC	9485	31.63	7.5	R. Commerce	11.30–14.00 (Sun. 24.00)
9) 4VEH	9630	31.15	3d	La Voix Evangélique	
9) 4VEH	9656	31.07	3d	La Voix Evangélique	(as 6105)
11) 4VBM	9660	31.06	1	Magloire Broadc. Circuit	
6) 4VRW	10150	29.56	1.5	R. Haiti	12.00–03.00 (Sun. 14.30–23.30)
9) 4VWI	15415	19.46	0.3	La Voix Evangélique	No fixed times
9) 4VWI	17840	16.82	0.3	La Voix Evangélique	No fixed times
9) 4VWI	21540	13.93	0.3	La Voix Evangélique	No fixed times

Medium Waves:

Calll	kc/s	m	kW	Calll	kc/s	m	kW
8)4VA	1080	278	1	5)4VS	1380	217	0.4
9)4VEC	1200	250	0.25	11)4VGM	1473	204	1
7)4VM	1250	240	1	1)4VD	1500	200	0.4
4)4VP	1260	238	0.25	13)4VRD	1170	265	0.25
6)4VW	1300	231	2				

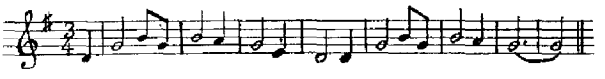
ADDR., L.P. etc.:
1) ADDR.:Les Gonaives. – L.P.: Dir.: J. Dupuy and E. Mitton (Owners). – ANN.: "Ici Radio Indépendance, Poste 4VGS et 4VD á Gonaives, République d'Haiti, Grandes Antilles." – VER. by QSL-card.
4) ADDR.: Petionville. – L.P.: Dir.: E. Walker.
5) ADDR.: Rue Pavee, Port-au-Prince. – L.P.: Dir.: A. Herard and R. R. Rigaud. – D.PRGR.: N.: 12.30, 17.00, 22.30. – ANN.: "Ici Radio Port-au-Prince postes 4VS, 4V2S." – INT.-SIG.: Gong. – VER. by letter.
6) ADDR.: P.O. Box 737. Port-au-Prince. Cable: HH3W. – L.P.: Dir. Gen.: C. R. Wiedmaier. – D.PRGR.: N.: 12.45, 21.05, 01.00. English by Radio: Thurs. 18.00–18.30. – Mailbag: 20.15–20.30. – ANN.: French, English, Spanish: "Vous écoutez R. Haiti, postes 4VW, 4VRW et 4VHW." – INT.-SIG.: Gong (4 notes). – VER. by QSL-card.



7) ADDR.: Ruelle Jeanty, Port-au-Prince. – L.P.: Dir.: Y. Michel. – D.PRGR.: N.: 17.00, 23.30. – ANN.: French, English, Spanish: "Vous ecoutez le poste de Radiodiffusion 4VM travaillant simultanement dans les bandes de 49 m.b. et 240 metres a Port-au-Prince, capitale de la Republique d'Haiti."
8) ADDR.: P.O. Box 1143, Port-au-Prince. Cable: "Radioco". – L.P.: Gen. Dir.: Guy Douyon. Dir. Tec.: Eduard C. Gentil.
HOME SERVICE in F., Creole & E.: 4VA: 11.30–03.00 (Sun. 24.00); 4VB: 22.00–03.30 (Sun. 24.00); 4VC: 11.30–14.00 (Sun. 24.00). – N. in F.: W. 12.00, 18.30, 23.15. Sun. 12.00. – E. Prgr.: Wed. 03.00, Sun. 22.30. – English by R.: Sat. 16.30. Wed. 22.30. – ANN.: "Au service du Progres National dans l'ordre et le Travail, Ici Radio Commerce, emettant de Port-au-Prince." – INT.-SIG.: 4 chimes. – VER. by QSL-card. Return postage appreciated.
9) ADDR.: The Evangelistic Voice of the West Indies, Radio Station 4VEH, Box 1, Cap Haitien. – L.P.: Dir. Gen.: Rev. G. T. Bustin.

Station Mgr., Dir. Prgr. & Chief Eng.: M. E. Picazo. Haitien Operator: M. Jacques Mon Premier. Secretaires: Mrs. M. E. Picazo. Miss M. Stockton. –
D.PRGR.: On 1200/6105 kc/s (Home Service). – On 9656/15415/17840 or 21540 kc/s (Foreign Service): **D. exc. Thurs.**: 10.00 (Sun., Fri. 09.15) –14.30 (Sat. 15.30); **Sat. & Sun.** 20.00–22.00. – **D. exc. Wed., Thurs.**: 22.00–03.35 (next day; Mo., Wed. 04.30).
E.: 10.00–11.15 (Sun. 11.30), 13.00 (Sun. 12.30)–14.30 (Sat. 15.30); 20.00–22.00 (Sat., Sun. exc. Sat. 20.00–20.30 when Sp.); 01.00–03.35: **N. & Commentary**: 10.30 (Sat.) on 1200/6105/9650/21540 kc/s; 01.30 (Sun.) on 1200/9656/15415/17840 kc/s. – **Mailbag**: 02.30 (Mo.), 14.30 & 21.30 (Sat.) on 1200/6105/9656/15415 or 17840 kc/s. – **Prgr. Prev.**: "Bulletin Board": 03.30 (Tues.), 11.00 & 15.00 (Sat.) on 1200/6105/9656/15415 or 17840 kc/s. –
F. & CREOLE: 11.15 (Sun. 11.30)–12.00, 22.30–23.30; **Nat. Music**: D. 11.15 & 22.30. –
SP.: 12.00–13.00 (Sun. 12.30), 20.00–20.30 (Sat. only), 00.00–01.00.
RUSSIAN: 09.15–10.00 (Sun., Fri.), 03.35–04.30 (Mo., Wed.).

ANN.: F.: "Ici La Voix Evangélique des Antilles." – E.: "You are listening to the Evangelistic Voice of the West Indies." – Sp.: "Escucha Ud. La Voz Evangelica de las Antilles." – **VER.** by QSL-card, if



correct. If sufficient IRC coupons are included, reply will be sent airmail... otherwise, surface mail. – **F.PL.**: Power will be increased to 10 kW (4VE) Spring or Summer 1957.

ADV.

THE EVANGELISTIC VOICE OF THE WEST INDIES
Cap Haitien, Haiti, West Indies
Our missionary station is a non-profit organization pledged to uphold the preaching of the whole Gospel and to obey the command set forth in Acts 20:18 – "To open their eyes, and to turn them from darkness to light... that they may receive forgiveness of sins, and inheritance among them which are sanctified..."

10) **ADDR.**: Cap Haitien. – **L.P.**: Dir.: Wainright. – **D.PRGR.**: **N.**: 23.00–23.45. – **Relay VOA**: 22.00–22.15. – **ANN.**: "Ici Radio Citadelle, Poste 4VWA, au Cap Haitien, capitale touristique de la République d'Haiti, Grandes Antilles." Closes down with "La Demassalinienne". – **VER.** by QSL-card.
11) **ADDR.**: 36, rue Americaine, Port-au-Prince. **Cable**: "Lematin". – **L.P.**: Director and Owner: Frank C. Magloire. – **D.PRGR.**: **N.**: W. 12.00, 18.05, 03.00. – **ANN.**: "Ici la M.B.C. a Port-au-Prince, emettant par l'intermédiaire de la 4VGM et la 4VCM dans les bandes de 209 m 60 & 48 m 66, frequences 1470 et 6165 kc/s." – **VER.** by QSL-card.
12) **ADDR.**: Cap Haitien. – **L.P.**: Dir.: E. Anacreon. – **D.PRGR.**: Relay VOA: 17.30. – **ANN.**: **F.**: "Ici la Voix du Nord, Poste Commercial de Radiodiffusion 4VCP, affilié a la chaine de la Paix des Nations Unies...". **Sp.**: "La Voz del Norte". **E.**: "The Voice of the North".
13) **ADDR.**: Port-au-Prince. – **D.PRGR.**: W. 11.00–12.30, 23.00–01.30. Sun. 13.00–15.00, 23.00–01.00.

★ HONDURAS (British) ★

Local Time: 6 h. behind GMT., Su. $5^1/_2$ h. **Languages**: English, Spanish.
BRITISH HONDURAS BROADCASTING SERVICE (Govt.)
ADDR.: British Honduras Broadcasting Service, Belize. **Cable**: Incom.
L.P.: Dir. Information: E. Caffery. Chief Eng.: D. N. Lambert.
HOME SERVICE: Normal broadcasting hours: 18.00–19.30, 00.00–02.30.

	kc/s	m	kW		kc/s	m	kW
VPM	1280	235	1	All year	4900	61.22	0.25VPO*)
VPN	3300	90.85	5	All year	6100	49.18	0.25VPP*)

*) reserve frequency as ionosphere requires.
N. in E.: 16.30, 01.30. – **N. in Sp.**: 18.45, 01.15.
ANN.: **E.**: "This is the British Honduras Broadcasting Service". **Sp.**: "Este es el Servicio Radiodifusor de Honduras Británica." – **INT.-SIG.**: Greensleeves. – **VER.** by QSL-card.

★ HONDURAS (Rep.) ★

Local Time: 6 h. behind GMT., Su $5^1/_2$ h. – **Language**: Spanish.
All stations commercial.
DIRECCION GENERAL DE COMUNICACIONES ELECTRICAS, Tegucigalpa.
L.P.: Dir. Gen.: Napoléon Castellanos.

STATIONS: Short Waves:

Calll	kc/s	m	kW		
1)HRN	5875	51.06	1	La Voz de Honduras	13.00–05.00
2)HRVW3	5955	50.38	0.5	La Voz de Centro America	13.00–04.00
3)HRQX	5965	50.28	0.5	La Voz del Pueblo	13.00–05.00
4)HRP1	5995	50.04	1	El Eco de Honduras	13.00–04.00
5)HROW	6020	49.83	1	R. Monserrat	13.00–04.00
6)HRTL	6035	49.71	1	R. Tela	13.00–04.00
7)HRYN2	6060	49.50	1	La Voz del Merendon	13.00–04.00
8)HRMH	6075	49.38	0.5	La Voz del Junco	13.00–04.00
9)HRNQ	6090	49.26	10	R. Morazan	13.00–04.00
10)HRXW	6110	49.10	1	R. Comayagüela	13.00–04.00
11)HRQ	6125	48.98	1	R. Suyapa	13.00–04.00
12)HRMF	6135	48.90	0.5	La Voz del Patio	13.00–05.00
13)HRTW	6165	48.66	1.5	Union Radio Hondureña	13.00–05.00
14)HRSU	6185	48.50	0.25	R. Progreso	13.00–04.00
15)HRD2	6195	48.43	0.25	La Voz de Atlantida	13.00–04.00

Medium Waves:

Calll	kc/s	kW	Calll	kc/s	kW	Calll	kc/s	kW
2)HRVH	580	0.5	7)HRYN	740	1	10)HRXW	1200	0.25
16)HRLX	610	1	9)HRNQ	770	10	3)HRQR	1320	0.5
1)HRN	670	0.25	5)HROW	850	0.25	4)HRPX	1400	1
13)HRTV	710	1.5	17)HRA	1100	0.25	8)HRMH	1500	0.5

1) **ADDR.**: Tegucigalpa. – **L.P.**: Owners: Sucesores de Rafaél Perrari. – 2) **ADDR.**: San Pedro Sula. – **L.P.**: Owner: Jorge Juan Sikaffy Sahury. – 3) **ADDR.**: Tegucigalpa. – **L.P.**: Owner: Edgardo Zuniga. – 4) **ADDR.**: San Pedro Sula. – **L.P.**: Owner: Gral. Filiberto Diaz Zelaya. – 5) **ADDR.**: Parque Finlay, Tegucigalpa. – **L.P.**: Owner: P. M. Alfredo León Gómez. – 6) **ADDR.**: Tela. – **L.P.**: Owner: C. Ventura Rosales. – 7) **ADDR.**: San Pedro Sula. – **L.P.**: Owner: Eduardo. Morales R. – 8) **ADDR.**: Santa Barbara. – **L.P.**: Owner: Miguel E. Hasbun. – 9) **ADDR.**: P. O. Box 393, Tegucigalpa. – **L.P.**: Owner: Gral. Franscisco Morazan. – 10) **ADDR.**: Comayagüela. – **L.P.**: Owner: Humberto Andino. – 11) **ADDR.**: San Pedro Sula. – **L.P.**: Owner: Coronel Eduardo Galeano. – 12) **ADDR.**: La Ceiba. – **L.P.**: Owner: Prof. Gregorio Irias A. – 13) **ADDR.**: Tegucigalpa. – **L.P.**: Owner: Marieta S. de Alvarez. – 14) **ADDR.**: San Pedro Sula. – **L.P.**: Owner: Rafaél Rodriguez. – 15) **ADDR.**: Avenida 14 de Julio, La Ceiba. – **L.P.**: Owner: Ing. Miguel R. Moncada.

★ JAMAICA (British West Indies) ★

Local Time: 5 h. behind GMT. – **Language**: English.
JAMAICA BROADCASTING COMPANY LTD. (Pr. Comm.)
ADDR.: 32, Lyndhurst Rd., Cross Roads, Kingston. **Cable**: "Broadco".
L.P.: Man. Dir.: W. Mac Lurg. Dir. Tec.: A. R. Aldridge. Dir. Prgr.: M. Needham. Sales Man.: A. L. Hendriks.
HOME SERVICE in E.: 11.00–04.00.
560 kc/s 0.5 kW – 720 kc/s 5 kW – 1160 kc/s 1 kW
880 kc/s 4 kW d. – 4950 kc/s 60.60 m 5 kW*)
FM: 90.6 mc/s 0.5 kW d. – 94.6 mc/s 2.5 kW d.
*) Vertical Incidence.
ANN.: "This is Radio Jamaica and Rediffusion." – **VER.** by QSL-card

★ LEEWARD ISLANDS ★

(Antigua, St. Kitts-Nevis-Anguilla, Montserrat, Brit. Virgin Islands).
Local Time: 4 h. behind GMT. – **Language**: English.
ANTIGUA: A Broadcasting Service covering the Leeward Islands will be inaugurated very soon. – A 40 Watt transmitter was installed at St. John's in November 1955.
RADIO MONTSERRAT (Semi-Official)
ADDR.: P.O. Box 201, Plymouth. – **L.P.**: Chief Eng.: Frank S. Delisle (private owner of transmitter and studio).
HOME SERVICE: 3255 kc/s 92.15 m 0.04 kW
Sun. 16.30–17.00, 20.00–20.30 (religious prgrs.). Wed. 18.15–18.30, 19.00–19.30 (educational prgr. for schools).

★ MARTINIQUE (French West Indies) ★

Local Time: 4 h. behind GMT. – **Language**: French.
ADDR.: Radiodiffusion Française, Clairière, Fort de France.
HOME SERVICE: 1500 kc/s 200 m 1 kW.
W.: 10.15–11.40, 16.15–17.45 (Sat. 19.00). Sun.: 10.45–14.15, 16.15–19.00, 22.00–02.00.
ANN.: "Ici Radio Martinique, Poste National Francais".
INT. SIG.: The first six notes of "Sous les Ponts de Paris" on xylophone. – **F. PL.**: Increase of m.w. power to 5 kW and opening of a s.w. transmitter 1 kW in the course of 1957.

★ MEXICO ★

Local Time: 6 h. behind GMT (Mexico generally), 7 h. behind GMT (Lower California and N. Pacific Coast only), 8 h. behind GMT (Baja California Norte). – **Language**: Spanish.

Cultural Stations: Short Waves: *=inactive.

Call	kc/s	m	kW	name
1)*XEJG	4820	62.24	0.2	Gobierno del Estado de Jalisco.
2)*XEXA	6175	48.58	0.1	R. Gobernacion.
3)*XEYU	9600	31.25	0.25	Universidad Nacional de Mexico

Medium Waves:

Call	kc/s	kW	Call	kc/s	kW
1) XEJB	630	0.5	2) XEDP	1060	0.5
3) XEUN	860	5			

+ 2 m.w. stations less 0.5 kW.

Commercial Stations: Short Waves.

Call	kc/s	m	kW		
4) XEOI	6010	49.92	2.5	R. Mil	12.00–08.00
5) XEUW	6020	49.83	0.25	El Eco de Sotavento	11.30–06.00
6) XEKW	6030	49.75	5	R. Continente	13.00–05.00
7) XETW	6045	49.63	5	La Voz de Tampico	10.30–06.00
8) XEXG	6065	49.46	5	R.dif. Mexico	
9) XECM	6130	48.94	10	R. Central de Mexico	12.00–06.00
10) XEWW	9500	31.58	20	La Voz de la America Latina	11.55–06.00
8)*XEXF	9535	31.46	5	R.dif. Mexico	
11) XEFT	9545	31.43	0.25	La Voz de Vera Cruz	14.00–04.00
12) XETT	9555	31.40	0.5	La Hora Exacta	D. 24 hours
13) XEBT	9625	31.17	10	El Buen Tono	14.00–06.00
14) XEQQ	9680	30.99	5	R. Mexicana del C.	11.56–08.00
15) XEBR	11820	25.38	5	El Heraldo de Sonora	14.00–17.00 23.00–04.00
16) XEHH	11880	25.25	1	R.dif. XERH/XEHH	13.00–06.00
8) XEXE	11900	25.21	5	R.dif. Mexico	
10) XEEW	15160	19.79	10	La Voz de la America Latina	11.55–06.00
17) XESC	15205	19.73	5	La mas Espanola del Mundo	16.00–06.00

Medium Waves:

Call	kc/s	kW	Call	kc/s	kW
10) XEWA	540	150	9) XERCN]	1110	50
18) XEQW	550	5	59) XEJP	1150	10
19) XEAV	580	5	60) XEFD	1170	5
20) XEFI	580	5/0.25	61) XEFR	1180	5
21) XEMU	580	5	10) XEWK	1190	50
22) XEPH	590	5	63) XELC	1200	5/1
23) XERT	590	5/0.25	13) XEB	1220	100
24) XEBB	600	10	11) XETF	1250	0.5
25) XEUF	610	5/1	64) XEL	1260	10
26) XEBX	610	5/0.5	65) XEJW	1270	10
27) XEGS	610	5/0.75	66) XEAG	1280	1
28) XENK	620	10	67) XEAW	1280	50
29) XEFB	630	10	68) XEDA	1290	5
30) XEZM	650	5	6) XESF	1300	0.5
31) XEBZ	660	50	69) XEBP	1310	10/0.25]
32) XELG	680	10	70) XEAI	1320	5
33) XEN	690	5	71) XEDB	1340	0.25
34) XEAC	690	5	12) XEQK	1350	10
8) XEX	730	500	72) XETB	1350	5/0.5
35) XEHJ	760	1	73) XEMR	1370	10
10) XEWB	760	50	74) XEHF	1370	5
37) XERC	790	10	75) XEMX	1380	5
38) XELO	800	150	76) XEM	1390	5/0.5
7) XEFW	810	50	77) XEYZ	1400	1
39) XELA	830	10/5	78) XEAB	1400	0.25
40) XETQ	850	10	79) XEWF	1400	0.25
41) XEMO	860	5	80) XEBS	1410	5/1
42) XEPQ	870	1	81) XEWM	1410	5/0.5
10) XEW	900	250	82) XEPK	1420	1
15) XEQN	920	50	83) XEWE	1420	1
43) XEBM	920	5/1	84) XEF	1420	5/0.5
44) XEMJ	920	1	85) XEBC	1430	1
14) XEQ	940	50	86) XEOX	1430	5/0.5
45) XEGM	950	5	87) XELL	1430	5/0.25
5) XEU	960	0.5	88) XEHA	1440	5/1
46) XEDF	960	5/1	89) XELZ	1440	5/1
47) XEJ	970	10/5	90) XEDJ	1450	0.1
48) XEK	970	5	91) XEYC	1460	1
49) XETU	980	5/1	92) XEAU	1470	5
50) XENR	980	5/0.5	93) XESM	1470	10/5
51) XET	990	10	94) XEPR	1480	5
52) XECS	990	5	95) XERA	1490	0.25
53) XECL	990	5	16) XERH	1500	20
4) XEOY	1000	10	96) XEJJ	1550	10
54) XEHL	1010	10/5	97) XEXO	1550	50
55) XEQR	1030	10/1	98) XERF	1570	50
56) XED	1050	10	99) XEDM	1580	50
57) XEG	1050	150	17) XEMC	1590	10/5
58) XERB	1090	50	100) XEOB	1590	50

+ 161 low power stations.

FM.: XHFM 94.1 mc/s 1 kW XEOY-FM 100.5 mc/s 3 kW

1) **ADDR.:** Palacio de Gobierno, Guadalajara, Jal. – 2) **ADDR.:** Calle de Bucareli, México, D.F. **D.PRGR.:** Operation irregular. Relay of XEW. – 3) **ADDR.:** Justo Sierra No. 16, México, D.F.

4) **ADDR.:** Fomento de Radio S.A., Ayuntamiento 101, Mexico, D.F. **Cable:** "Radio Mil." – **L.P.:** Dir. Gen.: E. G. Salas. Mgr.: C. Flores. Dir. of Prgr.: E. Ortiz. Dir. Tec.: Eng. M. R. Canale. Adm.: F. Ibarra. Dir. Promotion & Information: C. Flores. Dir. Foreign Relations: J. D. Gonzales. – **D.PRGR.:** XEOI for C. & S. America & SW. U.S.A. Relay WRUL: Sun. 02.30. Also broadcasts in G., Irish and Arabic. – **ANN.:** "XEOY, XEOI Radio Mil de la Ciudad de México." – **VER.** by QSL-card or letter.

5) **ADDR.:** Av. Independencia No. 230, Studios: Av. Gomez Farias 248, Veracruz, Ver. – **L.P.:** Dir. and Owner: Sr. Fernando Pazos Sosa. **D.PRGR.:** "Escuche y Aprenda": 12.30. – **N.:** 13.30. – **Request Prgr.:** 16.45, 17.45. – **Sport:** Sun. 21.00. – **Children Prgr.:** 01.00. – **Base Ball:** Sun. 21.00. – **ANN.:** "El Eco de Sotavento." – **INT.-SIG.:** Four chimes. – **VER.** by letter.

6) **ADDR.:** Allende No. 29, Morelia, Mich. – **L.P.:** Dir. and Owner: Sr. José Martinez Ramirez.

7) **ADDR.:** Madero No. 204 Ote, Apartado Postal No. 797, Tampico, Tamps. – **L.P.:** Dir. and Owners: V Flores and J E. Martinez. – **D.PRGR.:**Home Service in **Sp.:** 13.30–00.30. – **N.:** 13.50. – Foreign Service in **E.** (for Southern USA): 10.30–13.30, 00.30–06.00. – **VER.** by letter.

8) **ADDR.:** Radiodifusora México, S.A., Domicilio Conocido, Léon, Gto. – **D.PRGR.:** XEX relaying XEQ. XEXG and XEXE only for broadcast of baseball games.

9) **ADDR.:** R. Cadena Nacional, S.A., Calle Bucareli No. 12, P.O. Box 20932, Mexico. – **L.P.:** Mgr.: F. Gonzalo Oviedo. Adm.: M. A. Vasques. Dir. Prgr.: R. Roldán M. Dir. Tec.: Eng. P. Sandoval and Eng. M. Huerta. – **D.PRGR.:** N.: 12.00, 18.00, 21.00, 05.00, 16.00–17.00 relayed by 50 st., 21.00–22.00 relayed by 40 st. – **ANN.:** "RCN – Radio Cadena Nacional ,Estación piloto de más de 100 difusoras." – **VER.** by QSL-card.

10) **ADDR.:** Cadena Radiodifusora Mexicana S. A., Ayuntamiento 54, Mexico, D. F. – XEWA Domicilio Conocido, S. Luis Potosi. – XEWB, Vera Cruz. – XEWK, Guadalajara. – **L.P.:** Pres. E. Azcárraga. Dir. Tec. J. de la Herran. – XEW for Mexico, XEEW for C. & S. America, XEWW for N. part of Mexico. – **N.:** 14.00, 18.00, 04.45. – **ANN.:** Call given every quarter hour "XEW y XEWW Ciudad de Mexico." **INT.-SIG.:** Three chimes. – **VER.** by QSL-card.

11) **ADDR.:** Independencia No. 74, Veracruz, Ver. – **VER.** by QSL-card.

12) **ADDR.:** Dolores Nr. 10, Primer piso, Mexico, D.F. – **L.P.:** Dir. and Owner: Guillermo Morales B. **D.PRGR.:** Transmits the time every minute day and night.

13) **ADDR.:** Cadena Mexicana de Radio, Calle del Buen Tono No. 6, Mexico D.F. – **L.P.:** Owner: L. M. Vertiz. Mgr.: F. Riquel me. Dir. Tec.: Eng. J. C. Buchanan. – **D.PRGR.:** Sp. & E.: 14.00–06.00. N. in English: 00.15 (Mo., Fri.). – **ANN.:** "XEB y XEBT." – **INT.-SIG.:** From Listz's "Liebestraum". Between each program cuckoo signals. – **VER.** by QSL-card or letter.

14) **ADDR.:** J. M. Marroqui No. 11, 20 y 50 pisos, P.O. Box 940, Mexico D.F. – **L.P.:** Dir.: E. Balli. Mgr.: C. Corral C.P.T. Dir. Tec.: J. de Lerran. – **Home Service:** XEQ: 11.56–08.00 to the Center of Mexico. Relayed by XEX to the N.W. of Mexico. – **Foreign Service:** 11.56–08.00 on 9680 kc/s (S. America). – **Reg. Prgr.:** 17.55–20.45, 21.55–03.00 relayed by XEAW/XEOB. – **VER.** by QSL-card or letter.

15) **ADDR.:** Hotel "San Alberto", Rosales y Vildosola, P.O. Box 68, Hermosillo, Son. – **L.P.:** Dir. and Owner: Carlos G. Balderrama A. Mgr.: José Remigio Agraz N. – **D.PRGR.:** N.: 13.30, 20.30, 03.00. Sport: 13.30, 03.00. – **Dx-Prgr.** broadcast only by request from DX-Clubs. – **ANN.:** "XEBH, XEBR, "El Heraldo de Sonora" desde Hermosillo." – **VER.** by letter.

16) **ADDR.:** Radiodifusoras XERH–XEHH, A.R.S.E.S.A., Zempoala No. 77, Col. Narvarte 12, México. D.F. – **L.P.:** Gen. Mgr.: A. Tuero Cubillas. – **D.PRGR.:** **"La Hora del Teléfono"**: 13.00–17.15; **"Mexico Canta"**: 17.15–17.45; **"Musica Selecta Espanola"**: 17.45–21.00, 01.00–06.00; **"Cantares de Mexico"**: 23.00–01.00. – **VER.** by letter.

17) **ADDR.:** Bolivar y Republica del Salvador, Mexico D.F. – **L.P.:** Dir. and Owner: Dolores G. Estrada de Ferreiro. Dir. Tec.: Eng. J. Carrazzo.

18) **R. Mexicana de Merida, SA.,** Calle 64 No. 526, Mérida. – 19) "XEAV", S.A. Independencia No. 42 Norte, Guadalajara.

20) **El Pregonero del Estado de Chihuahua,** Calle Libertad 1302, Segundo Piso, Chihuahua, Chih. – **L.P.:** Pres.: R. G. Uranga. Gen. Mgr.: E. R. Chapa T. Dir. Prgr.: A. Caldera. Dir. Adm.: B. López G. Dir. Tec.: M. Sales. Dir. Press. & Information: O. Ontiveros. – **D. PRGR.:** 13.00–01.00 (5 kW), 01.00–06.00 (0.25 kW).

21) Alfonso L. Brels Emilio Carranza No. 3. Piedras Negras. – 22) Cia. Mexicana de Radiodifusión, S.A., Morelos No. 58. 120 Mexico, D.F. – 23) Ignacio Magallón. Av. Juárez No. 119 Sur, Reynosa.

24) **R. Acapulco S.A.,** Morelos 3, Acapulco, Gro. – **L.P.:** R. C. Navarro. Dir. Gen.: A. E. Masini. Dir. Tec.: E. D. Gutierrez. – **D.PRGR.:** 12.00–06.00. – **VER.** by QSL-card.

25) Ignacio Navarro, Alvaro Obregón No. 19, Uruapan. – 26) Radiodifusora Coahuila, S.A., Ave. Carranza No. 38 y Zaragoza, Sabinas. – 27) Radio Guasave, S.A., Zaragoza No. 20-Bis, Guasave. – 28) Radio 620, S.A., Balderas No. 32 40, Piso, México, D.F. – 29) Emisoras Incorporadas de Monterrey, S.A., 5 de Mayo Ote. 112 Monterrey. – 30) La Voz del Comercio de Zamora, S.A., 5 de Mayo No. 30, Zamora. – 31) Vocero Mexicano, S.A., Av. Insurgentes No. 323 Depto. 1 México, D.F. – 32) Radio Impulsora del Centro, S.A., Pasaje de las Tullerias No. 1, León. – 33) Guillermina P. de Del Conde, Calz. a México No. 44. B. Axotla, Mexico, D.F. – 34) Jorge I. Rivera, Esq. Lerma y Dravo Col. Marrón, Tijuana.

35) **La Voz de Oro de los Altos**, Apdo. Postal 1333, Guadalajara, Jal. – **L.P.**: Dir. Gen.: V. M. Chávez. Dir. Prgr.: J. F. Ruiz. Dir. Tec.: P. Pulido. Dir. Press. & Information: G. H. Chávez. Dir. Foreign Relations: Eng R. P. Garcia. – **D.PRGR.**: 13.00–01.30. – **VER.** by QSL-card.

37) Radio Popular de México, S.A., Articulo 123 No. 90, México, D.F. – 38) Cia, Radiodifusora de P. Negras, S.A., Calle 21 y "K", Ciudad Juárez. – 39) Radio Metropolitana, S.A., Paseo de la Reforma No. 139 50 P., México, D.F. – 40) Carlos Ferráez Matos, Colón y Sur 3 Altos, Orizaba. – 41) Fernando Federico Ferreira, Durango No. 10, Tijuana. – 43) Benjamin Briones Muñoz, Jardin Hidalgo No. 15, San Luis Potosi.

44) **R. Popular Fronteriza**, Bvd. Venustiano Carranza No. 6, Aptdo. Postal No. 57, Piedras Negras. – **L.P.**: Dir, Owner: J. F. E. Valdes. Dir.: P. R. Giraud. Dir. Adm.: E. M. Vasquez. Secretary: A. E. Rodriquez. Dir. Tec.: R. L. Reyes B. – **D.PRGR.**: in Sp. and E.: 12.00–03.00. – **VER.** by QSL-card and letter.

51) **El Pregonero del Norte S.A.**, 15 de Mayo Ote 650, Monterrey. – **L.P.**: Mgr.: G. M. de la Garza Dir Prgr.: R. de la Garza. Dir. Tec.: Eng. J. O. Aguilar. – **D.PRGR.**: 11.45–06.00. – **VER.** by letter. – **F.PL.**: 50 kW.

57) **ADDR.**: Hidalgo No. 426, P.O. Box 638, Monterrey, N.L. – **D. PRGR.**: 24 h. daily. – **Home Service in Sp.**: 13.00–22.00. – **Foreign Service in E.**: 22.00–13.00. – **VER.** by letter or QSL-card

58) Interamericana de Radio S A , Edif California Desp No 2, "Tijuana", Rosarito – 59) Radio América, S A , Calle de Sevilla No, 9, Col Juárez, México, D F – 60) José Ma Villarreal, Carretera a Matamoros, Rio Bravo – 61) José J Farrel Cubillas, Isabel la Católica No 33–117, México, D F – 63) Heriberto Guizar Castro, Ocampo No 3, La Piedad – 64) Herdez, S.A., Ave. Reforma No. 400 Desp, 701, México, D.F. – 65) Ena Guzmán Dominguez, Herdo No. 7. Jalapa.

66) **"La Voz de Cordoba"**, Avda. 1a No. 135 Altos, Córdoba. – **L.P.**: Dir. & Owner: L. M. Z. de San Miguel. Mgr.: J. L. S. Jácome. Dir. Prgr.: S. G. San Miguel. Dir. Adm.: M. A. Morgado. Dir. Tec.: R. Carrillo. Dir. Press., Information: R. S. Cancino. – **D.PRGR.**: 13.00–06.00. – **VER.** by letter. – **F.PL.**: Increase of power.

67) Jesús D. González, Calle de Paricutin No. 316 Sur., Monterrey. Relay XEQ. – 68) Publicistas, S.A., Dolores No. 10 Primer Piso, México, D.F. – 69) La Voz de la Laguna, S.A., Cepeda Sur No. 409, Torreón. – 70) Everardo Suarez Pérez, S. Juan de Letrán No. 130. 3er P., México, D.F.

71) and 78) **Radiodifusoras XEDB/XEAB**, Av. Obregon 210 Sur, Santa Ana (XEAB: Santa Ana; XEDB: Ciudad Obregon). – **L.P.**: Dir. Alfredo Marin Castro. – **D.PRGR.**: XEAB: 14.00–04.00. XEDB: 12.00–05.00. – **VER.** by letter. – **F.PL.**: XEAB 1 kW; New st. Caborca.

77) **Radio Rosita**, Apartado Postal 16, Nueva Rosita – **L.P. & D. PRGR.**: as 44.

79) **La Voz de Morelos desde Cuautla**, Guerrero No. 81, Apartado Postal No. 36, Cuautla. – **L.P.**:Dir. & Owner: F. D. Enriquez. Mgr.: Sra. F. A. de Diaz. Secretary: E. A. Fernández. – **D.PRGR.**: 14.00–02.00.

82) **Radiodifusora XEPK**, Edificio Reforma 2, Depto. 5, Pachuca. – **L.P.**: Pres.: A. P. Santos. Dir. Gen : R Cahero. Mgr.: R. R. Marquez. Dir. Prgr. and Adm.: F. R. Pérez. Dir. Tec.:Eng. A. Maldonado. – **D.PRGR.**: 13.00–04.00. – **VER.** by letter. – **F.PL.**: New station in 1957.

83) **R. Irapuato**, Tresguerras 23, Apartado Postal 118, Irapuato. – **L.P.**: Pres.: A. Zetter M. Mgr.: A C Hidalgo. Dir. Prgr.: P. G. Garcia. Dir. Tec : Eng.C. P. Romero. – **D.PRGR.**: 13.00–05.00.

84) José Carlos Amaya, 20 de Noviembre 504, C. Juárez.

85) **Radiodifusora XEBC**, Colón 52, Ciudad Guzmán. – **L.P.**: Dir. Gen.: G. N. Jazo. Dir. Prgr.: L. L. Lizardi. Dir.: O. Licea. – **D.PRGR.**: 12.00–04.00. – **VER.** by letter. Return postage requested. – **F.PL.**: Increase of power to 5 kW.

90) **R. Magdalena**, Av. Escobedo No. 98, Magdalena. – **L.P.**: Dir. Gen.: J. L. Rochin. Dir. Tec.: A. H. Hernandez. Dir. of Press & Information: J. J. Rochin. D. Dir. of Prgr.: H. P. Figueroa. – **VER.** by letter.

92) Manuel Acuña Varela, Av. Carranza No. 1638, Tijuana. – 93) Sucrs. de Salvador San Martin, Rébsamen No. 241 Col. Narvarte, Mexico, D. F.

94) **Radiodifusora XEPR**, Avenida 6 Norte s/n, Apartado No. 4, Mexico. – **L.P.**: Dir. Gen., Vice-Pres.: M. T. Carreño. Dir. Public Relations: M. G. Guevara. Dir. Prgr.: C. Fernandez M. – **D.PRGR.**: 11.55–05.00. Sun. 15.00–15.30 in Totonaco. – **ANN.**: "Esta es XEPR desde Poza Rica de Hidalgo, Veracruz, Capital Petrolera de Mexico." – **F.PL.**: 10 kW 1957.

95) **Red Nacional Radioemisora**, Libertad 1302, Segundo Piso, Chihuahua. – **L.P.**: Pres.: R. G. Uranga. Gen. Mgr.: E. R. Chapa T. Dir. Prgr.: A. Caldera. Dir. Adm.: A Contreras Dir. Tec.: Eng. M. Salas. Dir. Press, Information: H. Muñoz. – **D.PRGR.**: 13.00–05.00. – **F.PL.**: M.w. 1 kW. TV station (Ch. 11). 0.5 kW.

96) **Radiodifusora XEJJ**, Carrillo Puerto No. 6, Jalapa. – **L.P.**: Dir. Gen.: R. B. Nieto. Dir. Tec.: Eng. P. Dominguez. Dir. Prgr.: E. Tamariz. Dir. Adm.: M. Reballedo. Dir. Press, Information: B. R. Fusther.

97) **ADDR.**: Av. Guerrero No. 1105, Altos 6, Nuevo Laredo. (For listeners in the USA: XEXO, Laredo, Texas, USA). – **D.PRGR.**: 10.00–06.00. – **Home Service in Sp.**: 10.00–22.00. **Foreign Service in E.** (for USA): 22.00–06.00. "Uncle Jim's Jamboree": D. 05.00–05.45. Mexican Songs: D. 05.45–06.00.

98) **"The Good Neighbor Station"** operated by Cia. Radiodifusora de Coahuila and the Inter-American Advertising Agency. – **ADDR.**: Villa Acuna, Coah. (For listeners in USA: Station XERF, Del Rio, Texas, USA). – **L.P.**: Dir. Tec.: Sr. Alvaro Esquivel Castro. – **D. PRGR.**: 23.00–13.00. **Sp.**: 23 00–23 30, 09.00–10.00, 12 30–13 00. Mo. 04.00–05.00. **E.**: 23.30–09.00 (exc. Mo. 04.00–05.00), 10.00–12.30. From Sun. 23.00 to Mo. 13.00 (exc. for Spanish broadcasts) all progr. are religious. – **VER.** by letter.

99) **ADDR.**: Hotel Washington, Apartado Postal 285, Hermosillo, Son. (For listeners in USA: Station XEDM, P.O. Box 55, Nogales, Arizona, USA. – **D.PRGR.**: 09.00–07.00. **Sp.**: 09.00–22.00, 05.00–07.00. **E. (for USA)**: 22.00–05.00.

100) Alonso Gómez Aguirre, Acuna Norte con Narciso Mendoza, Torreón. Relay XEQ.

★ NETHERLANDS ANTILLES ★

Local Time: 4½ h. behind GMT. – **Languages**: Dutch, English, Spanish, Papiamento, Portuguese, French, Arabic, Hindi.

CURACAO

CUROM (Comm. with governmental subsidy).
ADDR.: Waaigat, P.O. Box 31, Curacao. – **L.P.**: Mgr.: F. Visser. Prgr. Dir.: H. van Wyk.
HOME SERVICE:
PCJ-2 865 kc/s 346.8 m 10 kW: 11.30–02.30. N.: 11.10, 17.00, 23.00. **Time Sig.**: 16.30. – **Prgr. Preview**: 16.30.
ANN.: "This is the Curom, the Juliana Broadcasting Station, Willemstad – Curacao. **Dutch**: "Hier is de Curom, de Juliana Zender te Willemstad op Curacao. – **INT.-SIG.**: Clock ticking. – **VER.** by QSL-card.

RADIO HOYER (Comm.) – **ADDR.**: Julianaplein No. 21, Willemstad. Cable: Radioyer. – **L.P.**: Pres., Dir. Gen., Mgr.: H. E. Hoyer. Dir. Prgr.: E. Hernandez. Adm.: Mrs. V. Gomperts-Lourens. Dir. Tec.: E. G. Gilmoor. Chief-Eng.: Jan Doedel. Dir. Press, Information: E. M. Priest.
HOME SERVICE: PJC7-1 1010 kc/s 297 m 1 kW – PJC7-2 1500 kc/s 200 m 1 kW. On 1010 kc/s: 10.30–03.30 in all languages. On 1500 kc/s: 21.30–03.30 in E., Sp., Papiamento, Dutch, F. – **ANN.**: E.: The first 3 bars of Curacao's anthem followed by: "This is Station PJC7 – R. Hoyer, transmitting on 297 m, equivalent to 1010 kc/s on your radio dial". – **VER.** by QSL-card.

ARUBA

RADIO KELKBOOM (Comm.).
ADDR.: Emmastraat, Oranjestad. P.O. Box 9. – **L.P.**: Mgr.: C. A. Kelkboom. Dir. Tec.: J. M. Kelkboom.
HOME SERVICE in Papiamento, Dutch, English, Spanish:
PJA5 1435 kc/s 209 m 1 kW.
W.: 16.00–18.00, 22.00–02.30. Sun.: 13.00–18.00, 22.00–02.00.
National Music: Sun. 13.30–14.00. – **N.**: **Dutch**: D.: 16.55, 00.15. – **Papiamento**: W. 23.30. – **English Prgr.**: Sun. 23.30–24.00.
VER. by QSL-card.

VOICE OF ARUBA PJA-10 655 kc/s 458 m 0.4 kW: 10.30–12.30, 16.30–18,30, 23.00–03.00.

★ NICARAGUA ★

Local Time: 6 h. behind GMT. – **Language**: Spanish.
All stations commercial.

JEFATURA DE RADIO G.N. Y NACIONAL, Managua.
STATIONS: Short Waves:

	kc/s	m	kW		
1)YNRL	5045	59.45	0.075	La "V" de la Victoria,	
2)YNWW	5965	50.28	0.6	R. Sport	12.00–05.00
3)YNDC	5995	50.04	1.0	R. Colonial	12.00–05.00
4)YNBH	6015	49.88	0.4	R. Panamericana	12.00–05.00

	kc/s	m	kW		
5)YNOW	6055	49.55	0.6	La Voz de la America Central	12.00–05.00
6)YNEQ	6065	49.46	0.4	La Voz de la Victoria	12.00–05.00
7)YNVP	6185	48.50	0.9	La Voz de Nicaragua	12.00–05.00
8)YNLU	6846	43.81	0.25	R. Managua	
9)YNWN	7312	41.03	0.15	R. Granada	
10)YNRM	7602	39.47	0.2	R. Musun	
11)YNMS	7660	39.16	0.25	R. Philips	
12)YNCA	7753	38.69	0.15	R. Atlantico	
13)YNBX	7890	38.02	0.1	R. Oriental	

Medium Waves: 12.00–05.00

Calll	kc/s	kW	Calll	kc/s	kW	Calll	kc/s	kW
14)YNHP	575	1	20)YNVK	1000	0.9	4)YNBH	1230	1
15)YNX	750	2	21)YNTW	1070	0.187	24)YNCW	1250	0.5
16)YNR	800	1	10)YNRM	1090	0.25	25)YNRA	1300	0.37
17)YNMV	850	10	6)YNEQ	1100	0.75	26)YNZX	1320	0.2
18)YNSM	900	0.4	22)YNBB	1150	0.4	5)YNKW	1340	2
19)YNW	930	10	23)YNUW	1200	0.1	8)YNLU	1400	0.25
						27)YNAS	1560	0.25

1) **ADDR.:** Granada. – **L.P.:** Owner: Ronaldo Lacoyo. – 2) **ADDR.:** Granada. – **L.P.:** Owner: Manuel Arana Valle. – 3)**ADDR.:** León. – **L.P.:** Owner: D. E. Gallo.
4) **ADDR.:** Managua. – **L.P.:** Sra. Estrella M. de Rivas. – **ANN.:** "Aqui YNBH, Radio Panamericana en Managua, Nicaragua, Centro America." – **INT.-SIG.:** Xylophone. – **VER.** by letter.
5) **ADDR.:** Calle Noreste No. 607, Managua. – **L.P.:** Owner: José Mendoza O. – 6) **ADDR.:**Apartado 338, Managua. – **L.P.:** Owner: Alberto Solis H.
7) **ADDR.:** Managua. – **L.P.:** Owner: Juan Velázques P. – **ANN.:** "Esta es La Voz de Nicaragua, emisora afiliada a la Cadena Panamericana de la NBC, en Managua." – **INT.-SIG.:** Gong.
8) **ADDR.:** Managua. – **L.P.:** Owner: Luis Felipe Hidalgo. – 9) **ADDR.:** Granada. – **L.P.:** Owner: Nicolás W. Navas. – 10) **ADDR.:** Matagalpa. – **L.P.:** Owner: Pablo A. Lugo. – 11) **ADDR.:** León. – **L.P.:** Owner: Miguel A. Solis. – 12) **ADDR.:** Bluefields. – **L.P.:** Owner: Raul Tijierino S. – 13) **ADDR.:** Granada. – **L.P.:** Owner: J. Hena P.

★ PANAMA ★

Local Time: 5 h. behind of GMT. – **Language:** Spanish.

GOVT. DEPT. JURISDICTION: RADIO BROADCASTING IN PANAMA.

ADDR.: Direccion de Correos y Telecommunicaciones, Ministerio de Gobierno y Justicia, Panamá. – **Cable:** "Dirigentel". – **L.P.:** Chief Eng. Telecomunicaciones: Dr. R. D. Prescott.
All stations commercial exc. HOXO (Religious) and ACA20/ACB20 (Military).
STATIONS: Daily Prgr.: 11.00–04.00 (exc. where indicated).

Short Waves:

Call	kc/s	m	kW	m.w.	name & h. of tr.
1) HOL21	5960	50.34	0.5	670	R. Hogar 11.00–03.00
2) HO5O	5995	50.04	5	610	R. Programas Contin. 11.00–05.00
3) HP5K	6005	49.96	1	1500	La Voz de la Victor 11.00–04.00
4) HP5B	6030	49.75	0.25	730	R. Cadena Miramar 11.00–04.00
5) HOU31	6045	49.63	1	1025	La Voz del Baru 11.00–03.00
6) HORT	6060	49.50	0.5	1410	R. Balboa 11.00–02.00
7) HOO	6090	49.26	0.3	1470	R. Independiente 21.00–05.00
8) HP5H	6122	49.00	0.5	900	La Voz del Pueblo 20.00–03.00
9) HOQQ	6140	48.86	0.5	1250	R. Nacional 12.00–23.00
10) HP5G	6175	48.58	0.3	700	R. Panamericana
11) HOLA	9505	31.56	0.25	1310/1390	R. Atlantico 15.00–01.00
12) HP5J	9607	31.23	0.25	1380	La Voz de Panama 12.00–14.00, 17.00–19.00
13) HOJA	9645	31.10	0.3	1130	R. Provincias inactive
14) HOF31	9685	30.98	1	965	Onda Popular 11.00–04.00
43) HP5A	11700	25.64	0.5	1440	Cadena Panameña de Radiodifusion inactive
41) HOXB	11810	25.40	0.5	1370	Ondas Chiricanas inactive
42) HPS62	11895	25.22	0.25	1400	Ondas Centrales inactive

Medium Waves:

Call	kc/s	kW	Call	kc/s	kW
15) HOH2	560	0.25	25) HOR34	890	0.2
16) HOH3	580	1	8) HOHA	900	0.25
2) HOHM	610	5	HOS56	920	[1])
17) HOK	640	0.25	26) HOX	940	0.5
18) HOH4	660	1	14) HOF	965	1
1) HOLY	670	1	27) HOR59	990	0.5
19) HOF32	680	0.5	29) HOF2	1020	0.25
10) HOA	700	1	5) HOU	1025	1
4) HP5C	730	0.5	30) HOU23	1030	0.3
20) HOXO	760	0.5	31) HOJ2	1040	0.4
21) ACA20	790	5	HOB41	1050	0.12
22) HOF33	820	1	32) HPM21	1060	0.5
23) HOG	840	0.5	13) HOJ	1130	0.4
24) HOHO	870	0.3	33) HOS22	1150	0.3
34) HONZ	1170	0.25	12) HP6J	1380	0.25
HOO38	1180	0.2	11) HOL	1390	0.25
35) HOB33	1190	0.3	42) HOHS	1400	0.5
36) HOE91	1210	0.5	6) HORS	1410	0.5
37) HOW	1230	0.1	21) ABC20	1420	1
9) HOQ	1250	0.25	43) HOC	1440	0.25
38) HOJ22	1265	0.15	HOD42	1460	0.13[1])
39) HOJU	1280	0.25	7) HOCH	1470	1
11) HOK3	1310	0.3	3) HON	1500	0.25
HOT31	1320	0.5[1])	HOM56	1520	0.25[1])
40) HOM92	1330	0.25	HPU28	1540	0.075[2])
HOO39	1340	0.2[1])	44) HOJ52	1560	0.1
41) HOOC	1370	0.8	45) HOE35	1570	0.1

FM:

Call	mc/s	kW(ERP)	Call	mc/s	kW(ERP)
1) HOL22	44.0	0.05	2) HOH86	86.9	0.05
46) HORT2	45.0	0.025	2) HOH87	87.1	0.05

[1]) under construction. [2]) projected by Universidad Nacional.

ADDR. – L.P. – etc.
1) Apt. Postal 1979, Panama City. – **L.P.:** Dir. Gen.: Rev. Padre Manuel de Maguregui. Mgr.: Luis C. de la Guardia. Chief-Eng.: Francisco Lamparero. Dir. of Prgr.: Diógenes Avilés. – **D. PRGR.:** 11.00–03.00. – **N. in Sp.:** 00.30–01.00. **In It.:** 00.00–00.30. – **ANN.:** Every h.: "Transmite Radio Hogar. HOLY 670 kc/s onda larga y HOL21, 5960 kc/s onda corta en la banda internacional de 49 metros. Radio Hogar es la emisora de la cultura; la preferida del oyente culto. Tratamos de fomentar y servir la aficion y el deseo de miles de radioescuchas que ansian para sus ratos de solaz una musica amena y elevada. Ayúdenos con su entusiasmo y cooperación, sintonice Radio Hogar. Haga Ud. posible nuestro noble propósito". – **VER.** by QSL-card. – **F.PL.:** Two transmitters, which will operate on 670 kc/s in David and Colón.
2) Corporacion Panamena de Radiodifusion, S. A., Apt. 1795, Panama. **Cable:** "Erepece". – **L.P.:** Pres. & Gen. Mgr.: Fernando Eleta A. – **VER.** by QSL-card.
3) Apt. 33, Colón. – **L.P.:** Owner: José Jaén y Jaén.
4) Apt. 1214, Panama. – **L.P.:** Owner: Ernesto de la Guardia Jr. – **VER.** by QSL-card.
5) Apt. 160, David. – **L.P.:** Owners: Srs. Samudis, Esquivel, Tribaldos.
6) Apt. 1723, Panama. – **L.P.:** Owner: Demetrios A. Porras. Mgr.: Aquilino Sanchez.
7) Apt. 545, Panama. – **L.P.:** Owner: José A. Sosa M.
8) Apt. 1045, Panama. – **L.P.:** Owner: M. Lombardo Vega.
9) Apt. 652, Panama. – **Cable:** Radional. – **L.P.:** Owner: De Mena Hnos. – **VER.** by QSL-card.
10) Apt. 3145, Panama. – **L.P.:** Owner: Gilberto Arias.
11) Apt. 444, Colón. **Cable:** "Hola". – **L.P.:** Owner: Anibal Galindo. Secretary: Mary Fernandez. – **D. PRGR.:** 11.00–04.00. On 1310, 1390, 9505 kc/s: 15.00–01.00. – **Request Prgr.:** E.: 15.00, 22.00. Sp.: 17.00, 20.00. – **"Your musical & Dancing Parade":** 21.00. – **"Happy Birthday to You":** 23.30. – **Musical Prgr. in Sp.:** 19.00, 00.00. – **N. in Sp.:** 23.00. – **VER.** by QSL-card.
12) Apt. 867, Panama. – **L.P.:** Owner: Manuel Diaz Doce. – **D. PRGR.:** 12.00–03.00. – **Request Prgr.:** E.: 01.00.
13) R. Provincias, Chitre. – **L.P.:** Owner: Fernando Jolly. Mgr.: Pedro Reyes.
14) Apt. 1795, Panama. – **L.P.:** Owner: Fernando Eleta A. – **VER.** by QSL-card.
15) Corporacion Panamena de Radiodifusion S. A., Ave Bolívar 7093, Colón. – **L.P.:** Owner: Fernando Eleta A.
16) R. Progreso, Apt. 1212, Chitre. – **L.P.:** Owner: Fernando Eleta A.
17) Cadena Panamena de Radiodifusión, Apt. 33, Colón. – **L.P.:** Owner: José Jaén y Jaén.
18) R. Programas Continental, Corporacion Panamena de Radiodifusion, S. A., David. – **L.P.:** Owner: Fernando Eleta A.
19) R. Centenario, Puerto Armuelles. – **L.P.:** Owner: Ruben D. Gonzales.
20) La Voz del Istmo, Apt. 3269, Panama. – **L.P.:** Owner: Ass. Tropical de Radio.
21) Caribbean Forces Network, Fort Clayton, Canal Zone.
22) Corp. Panamena de Radiodifusión, Chitre. – **L.P.:** Owner: Fernando Eleta A.
23) Radio Panamericana (Your Community Station), Apt. 1121. Panama. – **L.P.:** Owner: Gilberto Ariaz.
24) R. Musical, Apt. 355, Panama. – **L.P.:** Mgr.: Ramon Pereira P.
25) "Ondas del Pacifico", David. – **L.P.:** Owner: Rafael A. Diaz.
26) R. Bethania, Apt. 1214, Panama. – **L.P.:** Owner: Lorenzo Sánchez Calán.
27) Radio HOR59, Penonome. – **L.P.:** Owner: J. Rodriquez Auerback.
29) Onda Popular, Av. Bolivar 7093, Colón. – **L.P.:** Owner: Fernando Eleta A.
30) R. Cristal, Anton. – **L.P.:** Owner: Aleyda Othon de Rodriquez.
31) Ondas del Canajagua, Las Tablas. – **L.P.:** Owner: Fernando Jolly.

32) La Voz de Ancon, Apt. 867, Panama. – L.P.: Owner: Manuel Diaz Doce.
33) Carrasquilla Calle 2a No. 37, Panama. – L.P.: Owner: Ramon Pereira P.
34) Ondas Istmeñas, Apt. 3237, Panama. – L.P.: Owner: Noberto Zurita.
35) Ondas del Guacamaya, Penonome. – L.P.: Owner: Felix A. Guardia.
36) R. El Mundo, Apt. 1566, Panama. – L.P.: Owner: Manuel M. Valdés.
37) R. Panamericana, Apt. 3145, Colón. – L.P.: Owner: Gilberto Arias.
38) La Voz de America, Chorrera. – L.P.: Ramon Pereira P.
39) La Voz del Vigia, Aguadulce. – L.P.: Owner: Aleyda O. de Rodriguez.
40) R. Reporter, Ave 6a 13A-85, Panama. – L.P.: Owner: Guillermo Ellerbrock.
41) Ondas Chiricanes, David. – L.P.: Owner: Elizardo Calvo.
42) Ondas Centrales, Santiago. – L.P.: Owner: Hector Santacoloma.
43) Cadena Panamena de Radiodifusion, Apt. 954, Panama. – Owner: R. Universidad Nacional, Panama.
44) R. Provincias, Los Santos. – L.P.: Owner: Fernando Jolly.
45) La Voz del Tropico, Colón. – L.P.: Owner: Luis Ortiz & Cia. Mgr.: Ricardo Guardia F.
46) Estacion Movil, Calle 45 Este No. 7, Panama. – L.P.: Owner: Gregorio Ordonez.

★ PUERTO RICO (U. S. Territory) ★

Local Time: 4 h. behind GMT. – **Language:** Spanish exc. WHOA: English.
Comm. exc. WIPR. – FM not used. – Stations allowed to operate as many hours as they wish. In general from 09.00 or 10.00 to 02.00 or 03.00.

	kc/s	Call	kW		kc/s	Call	kW
1)	550	WPAB	1	17)	1150	WORA	1.00
2)	580	WKAQ	5	18)	1170	WLEO	0.25
3)	600	WAEL	1	19)	1266	WISO	1
4)	640	WHOA	0.25	20)	1280	WCMN	1
5)	640	WNEL	5	21)	1300	WTIL	0.25
6)	680	WAPA	10	22)	1320	WRIO	5
7)	710	WKJB	1	23)	1340	WGRF	0.25
8)	740	WIAC	10	24)	1370	WIVV	0.25
9)	810	WKVM	25	25)	1400	WHOA	0.25
10)	850	WDBA	0.25	26)	1400	WAEL	0.25
11)	910	WPRP	5	27)	1450	WNEL	0.25
12)	940	WIPR	10	28)	1490	WNDD	0.25
13)	990	WPRA	10	29)	1520	WWWW	0.25
14)	1110	WVJP	0.25	30)	1560	WENA	0.25
15)	1070		0.5	31)	1590	WXRF	1
16)	1140	WITA	0.5				

ADDR.: 1) P. R. American Broadcasting Co. Inc., P. O. Box 786, Ponce. – 2) El Mundo Broadc. Corp., Box 9007, Santurce. – 3) Mario Acosta, Box 644, Mayaguez.*) – 4) Continental Broadc. Corp., San Juan.*) – 5) Inter America Radio Corp., Box 114, Hato Rey.**) – 6) Jose Ramon Quinones, Box 4563, S. Juan. – 7) Jose Bechara jr., Box 1293, Mayaguez. – 8) R. Station Wils, Inc., Box 4504, S. Juan. – 9) American Colonial Broadc. Corp., Box 4189, S. Juan. – 10) Hector Reichard, Box 188, Aguadilla. – 11) Voice of P. R. Inc., Box 430, Ponce. – 12) Dept. of Education of P. R., Box 4187, S. Juan. – 13.) WPRA Inc., Box 869, Mayaguez. – 14) Borinquen Broadc. Corp., 207, Caguas. – 15) Abacoa Radio Corp., Box 126, Arecibo.***) – 16) Electronic Entreprises Inc., Box 2792, S. Juan. – 17) Radio Americas Corp., Box 43, Mayaguez. – 18) Ponce Broadc. Corp., Box 511, Guayama.****) – 19) South P. R. Broadc. Corp., Box 2023, Ponce. – 20) Caribbean Broadc. Corp., Box 755, Arecibo. – 21) Mayaguez Radio Corp., Box 1346, Mayaguez. – 22) The Master Broadc. Corp., Box 335, Hato Rey. – 23) Jaicao Broadc. Corp., Box 863, Aguadilla.****) – 25) Continental Broadc. Corp., Box 4938, S. Juan. – 26) Mario Acosta, Box 644, Mayaguez. – 27) Inter America Radio Corp., Box 114, Hato Rey. – 28) WMDD Inc., Box 187, Fajardo. – 29) Frank A. Gandia, Box 935, Rio Piedras. – 30) Bayamon Broadc. Corp., Box 157, Bayamon. – 31) Rafael Fuster, Box 615, Guayama – **L. P.:** Dir. :C. Cordero. Dir. Prgr.: J. Mollendez. Dir. Tec.: J. H. Conesa. – **VER.:** QSL-card. Return postage not required.
24) **ADDR.:** Box 338, Vieques. **L.P.:** Mgr. Rev D. D. Luttrell. Chief-Eng.: D. R. Crane. Station not yet operating. **F.PL.:** English: 09.00–18.00, 22.00–04.00; Sp.: 18.00–22.00.
*) Construction permit to increase potency. **) Application to increase potency. ***) Application filed at the F. C. C. ****) Construction permit granted.

★ TRINIDAD ★

Local Time: 4 h. behind GMT. – **Language:** English.
TRINIDAD BROADCASTING COMPANY LTD. (Comm.)
ADDR.: Broadcasting House, 11 B Maraval Rd., Port-of-Spain. – **Cable:** "Broadcast". – **L.P.:** Man. Dir.: K. T. Murray. Dir. Tec.: R. Goodsman. Mgr.: J. M. Laing. Dir. Prgr.: R. I. Kenyon-Slaney.
HOME SERVICE in E.: "R. Trinidad", VP4RD

790 kc/s	379.7	m	5	kW	10.00–03.00
3275 –	91.60	–	0.5	–	10.00–03.00
6085 –	49.30	–	0.5	–	10.00–22.00

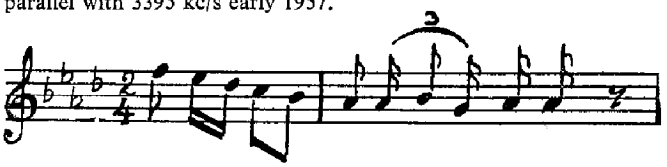
N.: 10.45*, 11.00 (BBC), 12.00*, 13.00 (BBC), 16.00 (BBC), 16.30*, 20.00 (BBC), 23.45*, 02.00 (BBC). *=weatherrep. – **Request Prgr.:** 12.15 (W.), 02.20 (W.). – **Time-Sig.:** Every h. on the h. exc. 17.00, 18.00, 19.00.
ANN.: "Thisis Radio Trinidad and the Rediffusion Golden Network".
F.PL.: Increase m.w. 20 kW. – **VER.** by QSL-card. Postage required.

★ VIRGIN ISLANDS (American) ★

Local Time: 4 h. behind GMT. – **Language:** English.
WICR 1190 kc/s 0.5 kW Cruz Bay (St. John). – WIVI 1230 kc/s 0.25 kW Christiansted (St. Croix). – WSTA 1340 kc/s 0.25 kW Charlotte Amalie (St. Thomas.)

★ WINDWARD ISLANDS ★

Local Time: 4 h. behind GMT. – **Language:** English.
WINDWARD ISLANDS BROADCASTING SERVICE (Govt.)
ADDR.: Windward Islands Broadcasting Service, Grenada, B.W.I. – **Cable:** "Broadcasts". – **L.P.:** Mgr., Prgr. Dir.: A. C. G. Palmer. Eng. in-charge: R. A. Smith.
HOME SERVICE: D. exc. Sat.: 22.00–02.15. Tues., Thurs. also: 13.15–14.00 on 3395 kc/s 88.37 m 5 kW.
N. (BBC): 23.00, 02.00. – **Local N.:** 23.10, 02.10. Mo., Wed., Fri. – **National Music:** Wed. 01.30. Sat. 23.30. – **Time Sig.:** 23.00, 02.00. – **Prgr. Prev.:** 22.57, 02.14. – **ANN.:** "This is the Windward Islands Broadcasting Service. – **INT.-SIG.:** A typical calypso phrase played on the "ping-pong" an indigenous instrument made from the top of a steel drum. – **VER.** by QSL-card. Rep. from Caribbean, C. Am., N. Am. welcomed. – **F. PL.:** A frequency in the 49 m.b. will replace 3395 kc/s during 1957. – A local service on 1580 kc/s 0.25 kW in parallel with 3395 kc/s early 1957.



SOUTH AMERICA

★ ARGENTINA ★

Local Time: 3 h behind GMT. – **Language:** Spanish.
RADIO DEL ESTADO (Govt.).
ADDR.: Ministerio de Comunicaciones, Direccion de Radiodifusion, Ayacucho 1556, Buenos Aires.
L. P.: Pres.: Isaac Wolberg. Secr.: Isaac Aisemberg. Chief Eng.: Palmeiro.
STATIONS: Short Waves:

Call	kc/s	m	kW	m.w.	Call	kc/s	m	kW	m.w.
LRA1	6062	49.49	16	710	LRA	9690	30.96	100	710
LRA	6180	48.54	10	970	LRA	15345	19.55	100	710

FM: LRA 92 mc/s 3 kW Buenos Aires.
Medium Waves:

Call	kc/s	kW	City	Call	kc/s	kW	City
LRA	670	20/10	Santa Rosa	LRA	780	20/10	Rosario
LRA	690	1	Salta	LRA	870	10	B. Aires
LRA	710	50	B. Aires	LRA	970	5	Mendoza

D. PRGR.: On 870 kc/s: 11.00–03.00, **On 710 kc/s:** 15.00 (Sat., Sun. 17.00)–03.00; **On 15345 kc/s** 11.00–21.30; **On 9690 kc/s:** 21.35–03.00.
N.: W.: 13.30, 16.00, 24.00. **National N.:** W. 22.45 on 870 kc/s.
Argentine Information Service: On 6180/9690 kc/s: Mo.-Fri. 22.00–22.45, Tues.-Sat. 02.00–02.45.
Sp.: 22.00, 02.00. – **P.:** 22.07, 02.07. – **F.:** 22.14, 02.14. – **E.:** 22.21, 02.21. – **I.:** 22.28, 02.28. – **G.:** 22.37, 02.37.
Prgrs. consist of N., commentaries, actualities.

PRIVATE STATIONS
RADIO EL MUNDO NETWORK (Pr. Comm.)
(Owned and operated by Empresa Editorial Haynes Ltd.).
ADDR.: Maipu 555, Buenos Aires. **Cable:** "Radiomundo".
HOME SERVICE: Key Station LR1: 10.00–04.00.
Short Waves: (relay LR1).

	kc/s	m	kW	m.w.	
LRX1	6120	49.02	10	1070	
LRX	9660	31.06	7.5	1070	10.00–04.30
LRU	15290	19.62	7.5/10	1070	10.00–13.00.

Medium Waves:

Call	kc/s	kW	Call	kc/s	kW	Call	kc/s	kW
1) LR1	1070	50	7) LU6	910	1	13) LV5	1090	15
2) LV8	630	5	8) LV3	910	12/10	14) LU7	1150	15
3) LU4	640	1	9) LT15	630	5/2	15) LT3	1160	5
4) LW7	730	1	10) LW8	970	1	16) LR9	1190	4
5) LR6	750	25	11) LS10	1030	10	17) LV13	1250	3/1
6) LV7	820	2	12) LT5	1080	1.5	18) LT9	1260	5/1

1) R. El Mundo, Maipu 555, B. Aires. – 2) R. Libertador, Entre Rios 73, Mendoza. – 3) R. Comodoro Rivadavia Mariano Moreno 765, C. Rivadavia. – 4) R. Catamarca, Rivadavia 751, Catamarca. – 5) R. Mitre, Arenales 1925, B. Aires. D. Prgr.: 08.00–03.00. – 6) R. Tucuman, Mendoza 273, Tucuman. – 7) R. Atlantica Laprida 837, Mar del Plata. – 8) R. Cordoba, S. Martin 74, Cordoba. – 9) R. Concordia La Rioja 622, Concordia. – 10) R. Jujuy, Ramirez de Velakco 253, S. Salvador de Jujuy. – 11) R. Libertad, Maipu 555, B. Aires. – 12) R. Chaco, Av. 9 de Julio s/no, Resistencia. – 13) R. Los Andes Rioja 1650, San Juan. – 14) R. Gral. San Martin Alsina 247, Bahia Blanca. – 15) R. Cerealista, Balcarce 840, Rosario. – 16) R. Antartida, Arenales 1925, B. Aires. – 17) R. San Luis, Rivadavia 563, S. Luis. – 18) R. Santa Fé, Rivadavia 2849, Santa Fé.
FOREIGN SERVICE: E. and Sp.: D. 03.00–03.30 on 6120/9660 kc/s, 11.00–11.30 on 9660/15290 kc/s (repeat). – **Sports News:** Tues. 02.00 on 6120/9660 kc/s, 11.30 on 9660/15290 kc/s (repeat).
ANN.: "LR1 Radio El Mundo de Buenos Aires con su Red Azul y Blanca de Emisoras Argentina". – **VER.** by QSL-card or letter.

RADIO SPLENDID NETWORK (S. A. La Razon Editorial, Emisora, Financiera y Commercial).
ADDR.: Uruguay 1237, Buenos Aires.
HOME SERVICE: Key station LR4: 10.00–04.00.
Short Waves:
LRS2 5985 kc/s 50.13 m 1 kW } relay LR4 exc. 15.20–17.00 and
LRS1 9743 – 30.79 – 10 – } 22.54–01.00 when relaying LR1
LRS 11880 – 25.25 – 20 – }
Medium Waves:

Call	kc/s	kW	Call	kc/s	kW	Call	kc/s	kW
1) LR4	830	50	6) LV4	690	0.5	12) LW3	1190	4
2) LS4	590	10	7) LW1	790	15	13) LT6	1200	1
3) LU8	590	1	8) LR5	990	25	14) LU3	1240	10
4) LV15	640	1	9) LT4	1010	1	15) LT11	1300	1.5
5) LV6	680	10	10) LT2	1020	1.5	16) LU13	1300	1
5a) LU12	680	1	11) LU5	1130	1	17) LT16	1370	1

1) R. Splendid, Uruguay 1237, B. Aires. – 2) R. Porteña, Rivadavia 827, B. Aires. – 3) R. Bariloche, Bariloche. – 4) R. Mercedes, Balcarce 470, Villa Mercedes. – 5) R. Splendid, Rioja 1239, Mendoza. – 5a) R. Rio Gallegos, Av. San Martin y Zapiola, Rio Gallegos. – 6) R. San Rafael, Inigoyen y Francia, San Rafael, Mendoza. – 7) R. Splendid, Rivera Indarte 170, Cordoba. – 8) R. Excelsior, Rivadavi 829,1 B. Aires. – 9) R. Splendid, 3 de Febrero 415, Posadas. – 10) R. Splendid, Santa Fé 1388, Rosario. – 11) R. Splendid, Juan B. Alberdi 189, Neuquén. – 12) R. Splendid, Mendoza 225, S. Miguel de Tucuman. – 13) R. Splendid, Mariano J. Loza 231, Goya. – 14) R. Splendid, Belgrano 29, Bahia Blanca. – 15) R. Splendid, Onesimo Leguizamon 269, Concepcion del Uruguay. – 16) R. Splendid, Belgrano 322, Necochea. – 17) R. Splendid, Calle 6 No 585, Roque S. Peña.
ANN.: "LR4 Radio Splendid, Buenos Aires, con sus ondas cortas LRS, LRS1 y LRS2 y la Red Argentinas de Emisoras Splendid". – **VER.** by letter.

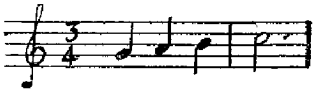
RADIO BELGRANO NETWORK (Pr. Comm.)
ADDR.: Ayacucho 2075, Buenos Aires.
HOME SERVICE: Key station LR3: 09.45–04.15.
Short Waves: Relay LR3:

Call	kc/s	m	kW	Call	kc/s	m	kW
LRY1	6090	49.26	40	LRY1	9760	30.74	40
LRT*	6145	48.82	10	LRT*	11840	25.34	10
LRY*	9640	31.12	50	*) inactive.			

Medium Waves:

Call	kc/s	kW	Call	kc/s	kW	Call	kc/s	kW
1) LR3	950	50	7) LV16	1010	1	13) LV2	1230	10.5
2) LV12	580	10/5	8) LR2	1110	15	14) LT14	1320	5
3) LS5	620	3	9) LV9	1130	5	15) LV14	1330	1
4) LU9	790	1	10) LV11	1170	2	16) LT7	1340	1
5) LT8	840	5	11) LU10	1200	3/1	17) LS6	1350	3
6) LU2	900	5	12) LV10	1210	2.5	18) LT12	1374	1.5

1) R. Belgrano, Ayacucho 2075, B. Aires. – 2) R. Independencia, Rivadavia 118, S. Miguel de Tucuman. – 3) R. Rivadavia, Santa Fé, 2043, B. Aires. – 4) R. Mar del Plata, Moreno 2473, Mar del Plata. – 5) R. Rosario, Cordoba 1825, Rosario. – 6) R. Bahia Blanca, Donado 25, Bahia Blanca. – 7) R. Ranquel, Colon 78, Rio Cuarto, Cordoba. – 8) R. Argentina, Santa Fé 2043, B. Aires. – 9) R. General Güemes, Dean Funes 28, Salta. – 10) R. del Norte, Libertad 251 (Altos), Santiago del Estero. – 11) R. Azul, Av. Mitre 819, Azul. – 12) R. de Cuyo, Lavalle 283, Mendoza. – 13) La Voz de la Libertad, Maipu 166, Cordoba. – 14) R. General Urquiza, Rivadavia 64, Parana. – 15) R. La Rioja, B. Aires 669, La Rioja. – 16) R. Provincia de Corrientes, Ayacucho 2482, Corrientes. – 17) R. del Pueblo, Santa Fé 2043, B Aires. – 18) R. Gral. Madariaga, Av. San Martin s/n, Paso de los Libres, Prov. Corrientes. – **L. P.:** Dir. Gen.: Ariel V. Bai. Adm.: Mario J. Vilapriño. Chief Eng.: Enrique M. E. Dutack. **D. PRGR.:** 10.55–03.00.
ANN.: "LR3 y LRY Radio Belgrano de Buenos Aires y la Primera Cadena Argentina de Radiodifusion" or "R. Belgrano de Buenos Aires – La Voz de Argentina". – **INT.-SIG.:** 4 note signal on vibraphone. – **VER.** by QSL-card.



CULTURAL STATIONS (Govt.)

LS11	1270 kc/s	30	kW	R. Provincia de Buenos Aires, Calle 10 y Av. 53, La Plata.
LR11	1390 –	1.5	–	R. Universidad Nacional de La Plata, Plaza Rocha 133, La Plata.
LT10	1430 –	0.5	–	R. del Instituto Social de la Universidad, Nacional del Litoral, 9 de Julio y Pellegrini, Santa Fé.

★ BOLIVIA ★

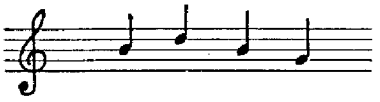
Local Time: 4h behind GMT. – **Language:** Spanish.
All stations comm. exc. "R. Illimani" (Govt.) and "R. La Cruz del Sur" (Religious).
DIRECCION GENERAL DE RADIOCOMUNICACIONES, La Paz.
STATIONS: Short Waves: * = inactive.

	Call	kc/s	m	kW	
1)	CP39	4855	61.79	0.25	R. Cobija.
2)	*CP5	5975	50.21	10	R. Illimani.
3)	CP18	6070	49.42	0.25	R. El Condor, 11.00–14.00, 16.00–18.00, 22.00–03.00.
4)	CP30	6135	48.90	0.5	R. Electra, 16.15–17.30.
5)	CP12	6150	48.78	0.25	R. Fides, 16.00–17.30, 22.00–02.15.
6)	CP40	6160	48.70	1	Emisora LAB.
7)	CP9	6185	48.50	0.45	R. Amauta, 11.15–13.00, 23.00–03.00.
8)	CP37	6190	48.47	0.25	R. Oruro.
9)	CP25	9200	32.60	0.5	R. Libertad 11.00–03.00.
2)	CP6	9555	31.40	1	R. Illimani, 11.00–13.00, 15.00–17.00, 21.30–03.00.
10)	CP38	9505	31.56	1	R. La Cruz del Sur, W.: 11.00–12.30, 14.30–17.30, 22.55–02.30. Sun.: 12.00–13.30, 16.00–21.30.
11)	CP21	9570	31.35	0.35	R. La Plata, 13.00–14.00, 20.30–22.00, 00.30–02.00.

Medium Waves:

Call	kc/s	kW	Call	kc/s	kW	Call	kc/s	kW
12) CP55	620	0.25	16) CP61	1090	0.1	21) CP3	1390	0.25
13) CP34	680	0.25	17) CP19	1145	0.3	22) CP16	1390	0.1
10) CP27	730	1	18) CP14	1250	0.25	23) CP60	1420	0.25
14) CP52	800	0.075	5) CP29	1350	0.08	24) CP51	1420	0.25
7) CP11	930	0.15	19) CP53	1350	0.075	25) CP36	1420	0.08
2) CP4	1020	0.25	20) CP28	1350	0.25	26) CP8	1470	0.25
15) CP45	1090	0.03						

1) **ADDR.:** Correo Central Cobija, Cobija. – **L. P.:** Owners: Centro de Accion Pandida. – 2) **ADDR.:** Emisora del Estado, Avenida Simón Bolivar, La Paz. – 3) **ADDR.:** La Plata 1139, Oruro. – **L. P.:** Owner: Ramón Pelaez. – 4) **ADDR.:** Correo Central, Santa Cruz. – **L. P.:** Owner: Gustavo Urioste. – 5) **ADDR.:** Colegio San Calixto, Jenaro Sanjinés, La Paz. – 6) **ADDR.:** Hotel Bolivar, Cochabamba. – **L. P.:** Owners: Lloyd Aéreo Boliviano, Cochabamba. – 7) **ADDR.:** Comercio 386, La Paz. – **L. P.:** Owner Jenaro Saavedra Perez. – 8) **ADDR.:** Casilla 114, Oruro. – **L. P.:** Owner: Hernán Pérez Cueto. – 9) **ADDR.:** Casilla Postal No. 302, Sucre. – **L. P.:** Owner: José Taboada Moscoso. Dir.: Julio Peñaranda Quintana. Dir. Tec.: Modesto Campos Carreño. **D. PRGR.:** 11.00–03.00 with intervals. – **VER.** by QSL-card. 10) The station is owned and operated by the Canadian Baptist Mission in Bolivia. – **ADDR.:** Cajón 8, Calle Nigaragua 405, La Paz. – **L. P.:** Dir. Gen.: Arthur Wormald. Dir. of Prgr.: Miss Jane Hood. – **D. PRGR.:** N.: W. 12,00. 17.15, 00.30. – **"English by Radio":** Tues,. Thurs., Sat. 00.45. – No transmission on Tuesday (silent day).
INT.-SIG.: Opens and closes with "Onward Christian Soldiers". –



VER. by QSL-card. – 11) **ADDR.:** 25 de Mayo 41, Sucre. – **L. P.:** Owner: Gregorio Donoso D.

✶ BRAZIL ✶

Local Time: Eastern (Costal): 3 h. behind GMT. Western: 4 h. behind GMT. – **Language:** Portuguese.

STATIONS: Short Waves: *=inactive.

	Call	kc/s	m	kW	Name
1)	ZYV30	2340	128.2	0.5	R. Dif. Brasileira 12.00–02.00
2)	ZYJ3	*2420	124.0	0.5	R. Cajará de Anapolis
3)		*2440	122.9	0.5	R. Clube Pouso Alegre.
4)		*2450	122.5	0.5	R. Cultura de Aracatuba
5)	ZYR60	*2480	121	0.5	R. Cultura Araraquara: 10.00–01.30
6)	ZYR62	3255	92.17	0.5	R. Clube de Marilia: 10.30–02.00
7)	ZYK21	3265	91.87	1	R. Tamandare, Recife: 09.00–03.00
8)	ZYR31	3275	91.60	1	Bauru R. Clube: 11.00–16.00, 17.00–02.00
9)	ZYR44	3285	91.32	1	R. Aparecida: 10.00–02.00.
		*3305	90.77	1	R. Esperanca, Sao José do Rio Preto.
10)	ZYJ21	3325	90.23	1	R. Borborema: 09.00–03.00.
11)	ZYR59	3335	89.95	0.5	A Voz do Sertao: 11.00–02.00.
12)	ZYN22	3345	89.68	1	R. Cultura da Bahia: 11.00–03.00.
13)		*3365	89.15	0.5	R. Dif. Parana, Londrina.
14)	ZYA41	3385	88.63	1	R. Eldorado, Rio de J.
15)	ZYF23	4735	63.36	2	R. Dif. do Maranhao, Sao Luiz.
16)	ZYY3	4755	63.10	1/5	R. Brazil: 11.00–03.00.
17)	ZYR81	4775	62.84	5	R. Progresso de Sao Paulo.
18)	ZYM8	4785	62.70	0.5	R. Ribamar: 10.30–02.00.
19)	ZYY20	4785	62.70	0.5	R. Dif. do Guapore[1]): 12.00–13.30, 15.00–17.30, 21.30–02.30.
20)	ZYS8	4805	62.43	1	R. Dif. do Amazonas: 09.00–17.00, 19.00–01.00.
21)	PRD3	4815	62.34	1	Petropolis Radio Difusora: 10.30–02.30.
22)	ZYE7	4825	62.18	0.5	R. Educadora de Parnaiba: 14.00–16.00, 20.30–01.00.
23)	ZYV37	4835	62.05	0.5	R. Sociedade Triangulo Mineiro 11.00–17.00, 19.00–02.00.
24)	ZYU8	4845	61.92	1	R. Dif. Teresina: 09.00–11.00, 13.00–16.00, 18.00–01.00.
25)	ZYR61	4855	61.79	1	R. Dif. Taubaté: 10.00–03.00.
25)	PRC5	4865	61.66	2	R. Clube do Para: 09.00–02.00.
27)	ZYV50	*4885	61.41	0.5	R. Cultura de Pocos de Caldas.
28)	PRF6	4895	61.29	2.5	R. Baré 11.00–17.00, 20.00–01.30.
29)	ZYZ20	4905	61.16	5	R. Relogio Federal: 24 hou s.
30)	ZYE	4915	61.04	1.5	R. Difusora de Macapa[1]): 15.00–17.00, 20.00–01.30.
31)	ZYA36	4925	60.90	1	R. Industrial de Juiz de Fora: 09.00–12.00, 13.00–16.00, 18.00–03.00.
32)	ZYI21	4935	60.80	1	R. Poti: 11.00–02.00.
33)	PRF7	*4955	60.54	2	R. Cultura de Campos.
34)	ZYP20	4965	60.42	1	R. Copacabana, Sao Gonzalo.
35)	ZYY9	4975	60.30	2.5	R. Timbira: 11.00–01.00.
36)	ZYZ5	4985	60.19	0.5	R. A. Voz do Oeste: 11.00–12.00, 14.00–17.00, 20.00–24.00.
37)	ZYY2	4995	60.06	1	R. Brazil Central 09.00–03.00.
38)	PRH8	*5015	59.82	10	Fundacao R. Maua[1]).
39)	ZYP23	5045	59.46	5	R. Quitandinha: 08.00–04.00.
40)	ZYR76	5955	50.37	7.5	R. Gazeta Sao Paulo: 11.00–04.00.
41)		5965	50.28	7.5	R. Guaiba, Porto Alegre: 11.00–01.00.
42)	PRK5	6000	50.00	5	R. Inconfidencia de Minas Gerais[1]): 10.00–03.00.
43)	PRA8	6015	49.88	5	R. Clube de Pernambuco: 08.55–04.00.
44)	ZYR63	6025	49.79	10	Sociedade R. Emissoras de Piratininga: 09.00–03.00.
45)	ZYC26	6035	49.71		R. Globo: 09.00–03.00.
46)	ZYS33	*6045	49.63	7.5	R. Clube Paranaense.
47)	PRB21	6055	49.55	7.5	R. Panamericana: 10.00–02.30.
48)		*6065	49.50	7.5	R. Rural Brasileira[1]).
49)	ZYK2	6085	49.30	10	R. Jornal do Comercio: 11.00–02.00.
50)	ZYB7	6095	49.22	25	R. Dif. Sao Paulo: 10.00–13.00, 20.30–03.00.
51)	ZYN6	6105	49.14	5	Ceara R. Clube: 09.00–02.30.
52)		6125	48.98	7.5	R. Nacional de Sao Paulo: 09.00–02.30.
53)	PRC21	6135	48.90	7.5	R. Sociedade Gaucha: 10.00–03.00.
54)	PRL9	6147	48.80	50	R. Nacional[1]): 08.50–04.15.
55)	ZYR58	6165	48.66	7.5	R. Cultura. A Voz do Espaco, Paulo: 09.00–03.00.
56)	ZYR77	6185	48.50	10	R. Bandeirantes: 09.00–03.00.
57)	PRD21	6195	48.43	25	Sociedade R. Emissora Continental: 10.00–02.30.
58)	ZYC7	*6200	48.39	100	R. Tamoio.
59)	PSL	*7935	37.81	1.5	Agencia Nacional[1]): 22.30–23.00.
60)	PRB22	9505	31.56	7.5	R. Record: 09.00–03.30.
61)		9530	31.48		R. Nove de Julho: 09.00–03.00 irr.
62)	ZYS30	9545	31.43	7.5	R. Emissora Paranaense Curitiba: 11.00–24.00.
49)	ZYK3	9565	31.37	10	R. Jornal do Comercio: 10.00–16.00, 18.00–02.20.
63)	ZYZ27	9575	31.33		R. Mayrink Veiga: 10.00–03.30.
64)		*9585	31.30	7.5/50	R. Excelsior, Sao Paulo.
12)		*9595	31.27	20	R. Cultura da Bahia.
58)	ZYC8	9610	31.22	25	R. Tamoio: 10.00–03.00.
65)	ZYR83	9635	31.14		R. Aparecida: 10.00–02.00.
27)	ZYV40	9645	31.10	7.5	R. Cultura de Pocos de Caldas: 08.45–12.00.
66)		*9665	31.04	20	Sociedade R. Rio, Rio de J.
40)		9675	31.01		R. Diario da Munha, Florianopolis: 11.00–02.00.
40)		9685	30.98	50	R. Gazeta, Sao Paulo: 11.00–04.00.
38)	ZYZ24	9705	30.91	10	Fundacao R. Maua, Rio de J.: 09.00–04.30.
54)	PRL7	9720	30.86	50	R. Nacional[1]): 08.50–04.15.
55)	ZYR57	*9745	30.78	7.5	R. Cultura, A Voz de Espaco.
37)	ZYW23	9755	30.75	7.5	R. Brasil Central: 09.00–03.00.
67)	PRL4	9770	30.70	10	Servico R. Dif. Educativa, Rio de J.: 09.00–03.30.
59)	PSH	*10220	29.35	1.5	Agencia Nacional[1]): 22.30–23.00.
54)	PRL8	11720	25.60	10	R. Nacional[1]) 08.50–04.15.
57)	PRD22	*11735	25.56	1	Emissora Continental.
44)	ZYR65	*11745	25.54	50	Sociedad R. Emissora de Piratininga.
68)	ZYB8	11765	25.50	25	R. Tupi de Sao Paulo: 10.00–03.00.
63)	ZYZ28	11775	25.48		R. Mayrink Veiga: 10.00–03.30.
41)		*11785	25.46	10	R. Guaiba, Porto Alegre.
37)		11815	25.39	5	R. Brasil Central: 09.00–03.00.
49)	ZYK32	11825	25.37	10	R. Jornal do Comercio: 21.00–02.20.
61)		11855	25.31		R. Novo de Julho: 09.00–03.00 irr.
43)	PRA8	11865	25.28	5	R. Clube de Pernambuco: 08.55–04.00.
56)	ZYR78	11925	25.17	10	R. Bandeirantes: 09.00–03.00.
46)		11935	25.14	7.5	R. Clube Paranaense: 10.00–03.00.
67)	PRL5	11950	25.10	7.5	Servico R. Dif. Educativa: 10.00–03.30.
69)	PRB24	11965	25.07	50	R. Sao Paulo: 10.00–02.30.
48)		*15105	19.86	10	R. Rural Brasileira[1]).
47)	PRB23	15135	19.82	7.5	R. Panamericana: 10.00–02.30.
49)	ZYK33	15145	19.81	10	R. Jornal do Comercio: 10.00–18.00.
50)	ZYB9	15155	19.80	25	R. Dif. de Sao Paulo: 13.00–20.30.
51)	ZYN7	15165	19.78	5	Ceara R. Clube: 11.00–22.30.
42)	PRK9	15190	19.75	5	R. Inconfidencia de Minas Gerais: 10.00–03.00.
59)		*15205	19.73	10	Agencia Nacional[1]).
35)		*15215	19.71	2.5	R. Timbira, Sao Luiz.
64)		*15265	19.66	7.5/50	R. Excelsior.
40)		*15325	19.58	20	R. Gazeta, Sao Paulo.
70)	ZYC9	15370	19.52	25	R. Tupi Rio de Janeiro: 10.00–03.30.
57)	PRD23	*15415	19.46	1	Emissora Continental
12)		*15525	19.32	20	R. Cultura da Bahia.
55)		*17815	16.84	10	R. Cultura. A Voz do Espaco.
54)	PRL9	*17850	16.81	10	R. Nacional[1]).
67)		17875	16.79	7.6	Servico R. Dif. Educativa: 09.00–14.00.

[1]) Govt.

Medium Waves:

61)	540	0.25	67) PRA2	800	250
14) ZYZ22	550	50	75a) ZYC3	820	0.25
71) ZYM5	560	10/0.5	11) PRI5	820	0.25
72) PRH2	600	50	76) ZYD8	840	10/5
47) PRH7	620	10/5	56) PRH9	840	10/5
73) PRF9	640	10/05	77) PRA3	860	50
64) ZYR56	670	10	42) PRI3	880	50
34) ZYP20	680	5/1	78) ZYU33	880	10
53) PRC2	680	10/5	7) ZYK20	890	20
15) ZYF23	690	2	40) PRA6	890	5
74) PRC7	690	25/10	58) PRB7	900	10/5
43) PRA8	720	25	79) ZYI23	900	10
41) ZYA8	720	10	80) PRF4	940	50
25) ZYA8	720	1	50) PRF3	960	10/5
75) PRA4	740	50	80a)ZYO4	960	10
49) PRL6	780	20/10	54) PRE8	980	50
39) ZYP30	780	1/0.25	60) PRB9	1000	50

12) ZYN23	1010	0.25	91) PRH4	1320	0.5/1
81) PRB3	1010	2	4) PRI8	1330	1/05
57) PRD8	1030	10	92) ZYI5	1330	1
68)PRG2	1040	50	93) PRH6	1340	25/5
82) PRD2	1060	10	27) PRH5	1350	5
83) PRD7	1080	1	10) ZYO7	1350	1
84) ZYX7	1080	0.25	94) ZYH25	1360	10
31) ZYI9	1090	1/05	24) ZYQ3	1370	1
6) PRI2	1090	1/05	5) PRD4	1370	1/05
52) PRG9	1100	50	23) PRE5	1390	1/05
33) PRF7	1110	5	16) ZYR72	1390	0.25
84a) PRI4	1110	10	95) PRD5	1400	10/5
84b) ZYE20	1130	10	18) ZYM8	1410	1
38) PRH8	1150	10/5	12) ZYN20	1440	10/5
85) PRI9	1160	10	46) PRB2	1440	20/10
36) PRH3	1160	1	26) PRC5	1450	10
86) ZYR53	1160	0.1	96) ZYN2	1460	0.25
45) PRE3	1180	50	30) ZYE2	1460	0.25
51) PRE9	1200	10	1) PRC6	1470	1/0.5
69) PRA5	1200	10/5	22) PRJ4	1470	0.5
44) PRB6	1200	10	2) ZYJ3	1480	0.5
62) ZYZ9	1210	0.5	21) PRD3	1480	5
8) PRG8	1210	1/0.5	29) ZYZ21	1490	1
63) PRA9	1220	50	35) PRJ9	1490	5
20) ZYN26	1240	0.25	3) PRJ7	1530	0.1
87) ZYG2	1250	0.25	97) ZYS20	1540	0.1
88) ZYO20	1250	0.25	98) ZYR2	1550	0.1
37) ZYX9	1270	10	99) ZYP7	1550	0.25
32) ZYB5	1270	10	100) ZYZ7	1550	1
16) ZYR39	1270	0.1	101) ZYV42	1550	0.1
89) ZYS23	1270	1	102) ZYK7	1560	0.1
70) PRG3	1280	50	103) ZYP6	1560	0.1
90) ZYR7	1300	10	104) ZYG8	1600	0.1
55) PRE4	1300	10/5	9) ZYR44	1600	0.1

1) **ADDR.**: Caixa Postal 173, Uberlandia. Minas Gerais. – **VER.** by letter. – 2) **ADDR.**:Praca Bom Jesus 41, Anapolis. – 4) **ADDR.**: Rua Osvaldo Cruz 67 Aracatuba.
5) **ADDR.**: Av. Espanha 284, Araraquara, Sao Paulo. **Cable**: Radio. – **L.P.**: Dir.: Romulo Lupo. Vice-Dir.: Rolando Lupo. Manager: J. A. Q. dos Santos. – **ANN.**: "Emissoras da Radio Cultura Araraquara."
6) **ADDR.**: Rua Paes Leme 20, Marilia, Sao Paulo. – 7) **ADDR.**: Av. Cruz Cabuja 394, Recife, Pernambuco. – **VER.** by QSL-card.
8) **ADDR.**: Rua° 1 de Agosto 635, Bauru, Sao Paulo. – **VER.** by letter. – 9) **ADDR.**: Aparecida do Norte. – 10) **ADDR.**: Rua Cardoso Vieira 36, Campina Grande. – 11) **ADDR.**: Caixa Postal 5, Pres. Prudente, Sao Paulo.
12) **ADDR.**: Avenida 7 de Setembro Nr. 311, Salvador, Bahia. (ZYN20: Salvador; ZYN22/23: Itaparica). – **L.P.**: Pres. Eng.: M. R. Rocha. Dir. Eng.: J. R. Rocha. – **ANN.**: "ZYN20 e ZYN22, pertencentes a RADIO CULTURA DA BAHIA, da redebahiana de emissoras, irradiando em cadeia para todo o Brasil, em ondas médias, intermediarias, curtas e em F.M." – **VER.** by QSL-card.
14) **ADDR.**: Av. Presidente Vargas 417, Rio de Janeiro, Distrito Federal.
16) **ADDR.**: Rua Barao de Jaguara, 1022 3°, Campinas, Sao Paulo. – **L.P.**: Dir. & Pres.: A. Pedroso. Vice Pres.: Dr. S. Pedroso. Dir. Tec.: J. C. Pedroso, jr. Mgr.: M. P. Melillo. Dir. of Foreign Relations: Dr. F. C. Abreu. – **D.PRGR.**: On 1390/4755 kc/s: 09.00–04.00. On ZYR72: 10.00–03.00. – **N.**: 14.30, 15.30, 21.30, 22.15, 22.30 (Official Govt. news), 23.45, 00.30, 01.30. – **VER.** by letter.
17) **ADDR.**: Caixa Postal 2071, Sao Paulo. – 18) **ADDR.**: Caixa Postal 48, Sao Luiz, Maranhao. – 19) **ADDR.**: Casa do Radio, Porto Velho, Territorio de Rondonio. – **INT.-SIG.**: Gong. – **VER.** by QSL-card or letter. – 20) **ADDR.**: Rua Joaquim Sarmento 100, Manaus, Amazonas. – 21) **ADDR.**: Praça D. Pedro II, no. 17, Edificio d'Angelo, Petrópolis. **L.P.**: Pres.: A. J. da Silva. Vice Pres.: W. Carneiro Malta. Dir. Tec.: Ivo Nicolay. Mgr.: B. Carneiro Malta. **VER.** by letter. – 22) **ADDR.** Caixa Postal 31, Parnaiba, Piaui. **VER.** by letter. – 23) **ADDR.**: Rua Vigario Silva, Uberaba, Minas Gerais. – 24) **ADDR.**: Aerolino de Abreu 1157, Teresina, Piaui.
25) **ADDR.**: Taubate, Sao Paulo. **L.P.**: Pres. E. A. Beringlis. Dir. Tec.: B. M. Pereira. Comm. Dir.: E. A. Beringlis Jr. **VER.** by QSL-card. **F.PL.**: m.w. to 5 kW, a s.w.-station in the 16 m.b.
26) **ADDR.**: Rua dos Jurunas, Belem, Para. **SIGNATURE-TUNE**: "Poem by Fribich". **VER.** by QSL-card.
27) **ADDR.**: Praca Pedro Sanches No. 143, Pocos de Caldas, Minas Gerais. **L.P.**: Pres.: Dr. José Ribeiro Rocha. Dir. Gen.: Dr. Geraldo Tasso de Andrade Rocha. Dir. Tec.: M.R.Rocha. **News**: Every hour on the hour. **ANN.**: in **P., E., F., Sp.**, **VER.** by QSL-card or letter.
28) **ADDR.**: Ar. Eduardo Ribeiro 566, Manaus, Amazonas.
29) **ADDR.**: Caixa Postal 4543, Rio de Janeiro, Distrito Federal. **STANDARD TIME SERVICE**: Broadcasts short commercial advertisements, weather forecasts, and give the exact time each minute in Portuguese. **VER.** by letter. IRC required.
30) **ADDR-**: Av. Candido Mendes s/m, Macapá. – 31) **ADDR.**: Rua Alfeld, Juiz de Fora, Minas Gerais. – 32) **ADDR.**: Av. Deodore 245, Natal, Rio Grande do Norte. **VER.** by letter. – 33) **ADDR,**: Rua Lacarde Sobrinalio 6, Campos. – 34) **ADDR.**: Rua Cel. Mareira Cesar 83, Sao Gonçalo. **D. PRGR.**: Prgr. with ann. in German: 22.00–22.30. – 35) **ADDR.**: Edificio da Imprensa Official, Sao Luiz, Maranhao. – 36) **ADDR.**: Rua Barao do Melgaco 484, Cuiaba, Mato Grosso.
37) **ADDR.**: Caixa Postal 330, Goiania, Goias. **Cable**: "Errebece". **L.P.**: Dir. Gen.: W.C.Quinta. Dir. Tec.: O.Consorte. **D. PRGR.**: Mo.: 02.00–02.30. "World at your Home" (News in English, Spanish, Portuguese".). **VER.** by QSL-card or letter. Reception reports are welcome. **F.PL.**: Prgr. in **E., G., F., Sp. & P.** are planned.
38) **ADDR.**: Palacio do Ministerio do Trabalho, Rio de J. – 39) **ADDR.**: Caixa Postal 5992, Rio de Janeiro. **INT. SIG.**: Gong. **SIGNATURE-TUNE**: "Aquarelas no Brasil". **VER.** by QSL-card. – 40) **ADDR.**: Rua da Conceicao 88, Sao Paulo. – 41) **ADDR.**: Rua dos Andradas 972, Porto Alegre. – 42) **ADDR.**: Caixa Postal 1027, Belo Horizonte, Minas Gerais. **VER.** by QSL-card. – 43) **ADDR.**: Av. Cruz Cabuga 394, Recife, Pernambuco. **VER.** by QSL-card.
44) **ADDR.**: Praca do Patriaca 26, 3° and., Sao Paulo. – 45) **ADDR.**: Av. Rio Branco 183, Rio de Janeiro, D.F.. – 46) **ADDR.**: Caixa Postal 1448, Curitiba, Parana. **VER.** by letter.
47) **ADDR.**: Rua Riachuelo 275, Sao Paulo. **D. PRGR.**: **Japanese**: 09.30–11.00 on 620 kc/s (for state of Sao Paulo); 10.00–11.00 on 6055 kc/s (for Brazil) and on 15135 kc/s (for N. & C. America, Africa, Europe). PRB21 and PRB23 are owned by "R. Record" but are leased to and programmed by "R. Panamericana".
48) **ADDR.**: Ministério da Agricultura, Largo da 7Misericordia, Distrito Federal. **L.P.**: Dir. of Agricultural Information Service: Manuel Diégues Junior. Dir. of R. Rural: Mario Augusto da Rocha. Stations under construction.
49) **ADDR.**: Rua Marques do Recife S/N Recife. **Cable**: "Radiocommercio". **L.P.**: Dir. Gen.: Dr. F. Pessoa de Queiroz. **D.PGRR.**: **N.**: 10.00, 11.00, 15.30, 16.00, 21.00, 22.25, 01.30, 02.00. **E.** on 9565 kc/s: **"About Brazil"**: **W.**: 01.05–01.30. **"Brazil Calling"**: Sun.: 21.30–21.55. **Prgr. ann. in G.**: 21.00–21.45 on 11825 kc/s. **During Brazilian summertime 1.12–31.3 all programmes are broadcast 1 hour earlier. ANN.**: **P.**: "Pernambuco Falandopara o Mundo, Radio Jornal do Commercio, Recife, Pernambuco, Brazil". **E.**: "Pernambuco Speaking to the World. This is "Brazil Calling"". **INT.-SIG.**: Some bars of the Pernambuco Anthem. **VER.** by QSL-card. Return postage required.
50) **ADDR.**: Rua Piracicaba, Sao Paulo. **Prgr. in Japanese**: 10.00–11.00 Italian Melodies: 00.00–00.30 (for the Italian colony in Sao Paulo and surroundings). ZYB8 relays R. Tupi de Sao Paulo 1040 kc/s. **VER.** by QSL-card. – 51) **ADDR.**: Caixa Postal 222, Fortaleza. **VER.** by letter. – 52) **ADDR.**: Rúa 24 de Mayo 208, Sao Paulo. **D. PRGR.**: The s.w. transmitter is owned by "R. Excelsior" but is leased to and programmed by "R. Nacional de Sao Paulo".
53) **ADDR.**: Avenida Borges de Medeiros, Edificio Uniao, 119° and., Porto Alegre, Rio Grande do Sul. **D. PRGR.**: **Prgr. on 6135 kc/s at 03.00–05.00 dedicated to foreign listeners. VER.** by QSL-card.
54) **ADDR.**: Praca Maua, 7–20° andar, Rio de Janeiro. **L.P.**: Dir. Gen.: M. A. Campos. Dir. Secr.: S. da Cunha Lopes. Dir. of News: E. L. Domingues. Dir. Prgr.: S. Vasconcellos. Dir. Adm.: S. M. Leao. Dir. of Music: P. Tapajós. Dir. Tec.: J. Nobrega. **D. PRGR.**: **On 980/6147/9720/11720 kc/s**: 08.50–04.15. **On 17850 kc/s** irregularly. **N.**: "Reporter Esso": 11.00, 15.55, 23.25, 01.35. **Sp.**: (to Latin America): 18.40–19.00 on 9720 kc/s. **ANN.**: "Ouwem a R. Nacional de Rio de Janeiro, Brazil, transmitindo atravez de suas emissoras de ondas curtas, médias e frequencia modulada". **INT.-SIG.**: First movement of the Brasilian musical poem: "Luar do Sertao". **VER.** by QSL-card and letter.
55) **ADDR.**: Av. Sao Joao 1285, Sao Paulo.
56) **ADDR.**: Rua Paula Souza 181, 4° and., Sao Paulo. **L.P.**: Pres.: Joao Saad, Dir. Gen.: Luiz Cassio dos Santos Werneck. Secr. Gen. Alberto Saad, Comm. Dir.: Murillo Pereira Leite. Dir. Prgr.; Luiz de Oliveira. **D.PRGR.**: **840 kc/s**: 00.00–24.00. **6185 kc/s**: 09.00–03.00. **11925 kc/s**: 09.00–16.30, 21.00–03.00. **German & Portuguese**: D. 21.15–21.55 on 11925 kc/s. (Music and greetings for the German colony in Sao Paulo). **ANN.**: "Radio Bandeirantes de Sao Paulo, transmitindo simultaneamente pelas suas estaçoes: PRH9 ondas medias, 840 kc/s. ZYR77 ondas curtas, 6185 kc/s. ZYR78 ondas curtas, 11925 kc/s". **INT.-SIG.**: Vibraphone & organ. **VER.** by QSL-card.
57) **ADDR.**: Rua Riachuelo 48, Rio de J. – 58) **ADDR.**: Av. Venezuela 43, 2° andar, Rio de Janeiro. **VER.** by QSL-card. Return postage required. Station ZYC9 (15370 kc/s) is relaying **RADIO TUPI** (1280 kc/s), Av. Venezuela 43, 3° andar, Rio de Janeiro. – 59) **ADDR.**: Ministerio da Justicia e Negocios Interiores, Av. Presidente Wilson 164, 8° andar, Rio de Janeiro. **D.PRGR.**: "A Voz do Brazil" is relayed by all Brazilian stations daily exc. Sun. 22.30–23.00.
60) **ADDR.**: Rua Quintino Bocaiuva 22, Sao Paulo. Stations PRB21 (6055) & PRB23 (15135 kc/s) are relaying. **R. Panamericana** (620 kc/s), Rua Riachulo 275, 14° andar, Sao Paulo. Station PRB24 (11965 kc/s) is relaying. **R. Sao Paulo** (1260 kc/s), Sao Paulo.
61) **ADDR.**: Rua 24 de Maio 250, 7° andar, Sao Paulo. – 62) **ADDR.**: Rua Senador. Alencar Guimaraes. 97.5 andar, caixa postal 471, Curitiba, Paranaense. **German**: D. 00.00–01.00, Sun. 12.30. – 63)

ADDR.: Rua Mayrink Veiga 15–17, Rio de J. – 64) **ADDR.:** Rua 24 de Maio, 13°, andar, s/24, Sao Paulo. The s.w. transmitter 6125 kc/s is relaying "R. Nacional de Sao Paulo" (1100 kc/s) – 65) **ADDR.:** Praca N.S. Aparecida 303, Aparecida, Sao Paulo.
67) **ADDR.:** Servicio de Radio Difusao Educ., Praça da Republica 141-A, 3° and., Rio de Janeiro. **D.PRGR.: Sp.:** 02.00–02.30. **VER.** by letter.
68) **ADDR.:** Rua 7 de Abril 230, Sao Paulo. **D.PRGR.:** The s.w. transmitter (11765 kc/s) is owned by "R. Difusora de Sao Paulo" but is leased to and programmed by "R. Tupi de Sao Paulo." – 69) **ADDR.:** Av. Angelica, Sao Paulo. **D.PRGR.: Japanese:** D. exc. Mo. 01.30–02.00 (or 02.10). The s.w. transmitter (11965 kc/s) is owned by "R. Record" but leased to and programmed by "R. Sao Paulo". – 70) **ADDR.:** Av. Venezuela 43, Rio de Janeiro. **D.PRGR.:** The s.w. transmitter (15370 kc/s) is owned by "R. Tamoio", but leased to and programmed by "R. Tupi Rio de Janeiro" (announcement: "R. Tamoio").
Medium Waves: Addresses etc.
71) **R. Soc. Guairaca Ltda.,** Rua Barao do Rio Branco 167, Curitiba. – 72) **R. Soc. Farroupilha,** Rua Duque de Cazias 1304, Porto Alegre. – 73) **R. Difusora Portoalegrensa Ltda.,** Porto Alegre. – 73a) **R. Cabugi Ltda.,** Av. Rio Branco 729, Natal. **L.P.:** Dir. Gen.: R. Gurgel. **D. Prgr.:** 08.55–02.00. **VER.** by letter. **F. Pl.:** A 40 kW TV station. – 74) **R. Mineira,** Rua Goias 34, Belo Horizonte. – 75) **R. Soc. da Bahia,** S.A., Rua Portugal 6, Salvador. – 75a) **Soc. Radio Cultura Rio Grandina Ltda.,** Av. Silva Pais, 363A 1°, Caixa Postal 147, Rio Grande, R.G.S. **L.P.:** Dir. Gen.: A. G. Dias. Comm. Dir.: A. L. Faria. **D. Prgr.:** 11.00–03.00. **VER.** by QSL-card. **F. Pl.:** Increase to 1 kW.
76) **R. Excelsior da Bahia,** Rua Guedes de Brito 14A, Salvador. – 77) **R. Mundial,** Rio Branco 181, Rio de Janeiro.
78) **R. Itai Ltda.,** Edificio Chaves, 16° andar, Porto Alegre. **L.P.:** Pres.: Dr. J. L. dos Santos Sobr. Mgr.: H. H. Kley. Dir. Prgr.: V. L. Netto. Comm. Dir.: U. S. Moreira. **D. Prgr.:** 09.00–03.55. **F. Fl.:** New transmitter in 1957.
79) **R. Nordeste,** Rua Joao Pessoa 86, Natal. – 80) **R. Jarnal do Brasil,** Av. Rio Branco 110–112, Rio de Janeiro. – 80a) **Gov. do Estado de Alagoas,** Maceió, Alagoas. – 81) **R. Soc. de Juiz de Fora S.A.,** Rua S. Joao 197, Juiz de Fora, Minas Gerais. **L.P.:** Dir. Gen.: R. D. Filho. Secr.: W. C. de Olivera. **D. Prgr.:** 09.00–03.00. **VER.** by QSL-card. **F.Pl.:** A s.w. station. – 82) **Soc. R. Emissora Metropolitana,** Rua do Riachuelo 48, Rio de Janeiro. – 83) **R. Clube de Sorocaba S.A.,** Rua Sao Bento No. 253, Sorocaba, Sao Paulo. **L.P.:** Pres.: N. de Camargo Prado. Gen. Mgr.: H. da Silva Freitas. Dir. Prgr.: E. da Silva Freitas. **D. Prgr.:** 09.00–03.00. **VER.** by letter. **F.Pl.:** Increase of power. – 84) **–R. Teofilo Otoni Ltda.,** Rua Manoel Martiniano no. 1, 1° andar., Teo filo Otoni, Minas Gerais. **L.P.:** Dir. Gen.: W. L. A de Oliveira. Chief Editor: L. G. de Carvalho. Chief Announcer: N. R. dos Santas. **D. Prgr.:** 10.00–02.00. **VER.** by letter. **F. Pl.:** Increase of power to 1 kW.
85) **R. Espirito Santo,** Rua Arariboia 48, Vitoria.
92) **Soc. Educativa Itajuba Ltda.,** Rua Luiz Viana 2, C. Postal 56, Itajubá. **L.P.:** Dr. J. R. Seabra. Dir. Prgr. and Information: Dr. S. P. Machado. **D.Prgr.:** 12.00–01.00. **VER.** by letter. – 93) **R. Guarami,** Rua Goias 34, Belo Horizonte. – 94) **R. Guanabora,** Av. 13 de Mayo 23–25, Rio de Janeiro. – 95) **R. Roquette Pinto,** Av. Almirante Barroso 81, Rio de Janeiro.

★ CHILE ★

Local Time: 4 h. behind GMT. – **Language:** Spanish. – **All stations comm.**

ASOCIACION DE RADIODIFUSORAS DE CHILE (ARCHI).

ADDR.: Casilla 3591, Santiago de Chile. **Cable:** Archi. – **L. P.:** Pres.: Sr. Ricardo Vivado Orsini. Dir. Tec.: Sr. Vivado. Secr.: Julie Menadier Carrasco.
SHORT WAVES: Call letters CE are used for all Zones. **MEDIUM WAVES:** Call letters CA, CB, CC, CD indicates: A = North Zone, B = Central Zone, C = South Zone, D = Antarctic Zone. The figures indicate the frequencies in kc/s minus one cipher, f. inst CB82 = Central Zone 820 kc/s. * = inactive.

Call	kc/s	m	kW	m.w.	Name	hours of trans.	
1) CE8AA	5750	52.18	0.5	570	R. Soc. Nacional de Agricultura	10.30–04.30	(A)
2) CE6OL	6010	49.92	5	1270	Emisoras Norte	11.30–04.00	(B)
3) CE604	6040	49.67	5	900	R. Libertad	11.00–04.00	
4) CE607	6070	49.42	5	1060	R.Soc.Nacional de Mineria	11.30–04.30	(C)
5) CE610	6100	49.18	0.25	900	R. Calama	11.00–04.00	
1) CE611	6110	49.10	0.5	570	R.Soc.Nacional de Agricultura		(A)
6) CE615	6150	48.78	5	730	R. Cooperativa Vitalicia	11.30–04.00	(B)
7) CE619	6190	48.47	5	1140	R. Corporacion	11.25–04.00	
4) CE622	6220	48.23	5*	1060	R.SocNacional de Mineria		(C)
8) CE766	7660	39.16	1	1010	R. Yungay	11.30–06.30	
7) CE950	9500	31.58		1140	R.Corporacion		
9) CE960	9600	31.25	2.5	1300	R. La Americana	10.45–05.00	
6) CE970	9700	30.93	5	730	R.Cooperativa Vitalicia		
4) CE1173	11730	25.58	2.5*	1060	R.SocNacional de Mineria		(C)
10) CE1174	11740	25.55	5	930	R.Nuevo Mundo	11.25–05.00	
1) CE1180	11800	25.42	1	570	R.SocNacional de Agricultura		(A)
11) CE1185	11850	25.32	2.5*	1380	R. La Cruz del Sur	12.00–04.00	
6) CE1194	11940	25.13	5	730	R.Cooperativa Vitalicia	11.30–04.00	(B)
4) CE1196	11960	25.08		1060	R.SocNacional de Mineria	11.30–04.00	(C)
1) CE1200	12000	25.00		570	R.SocNacional de Agricultura	10.30–04.30	(A)
4) CE1511.5	15115	19.85		1060	R.SocNacional de Mineria		(B)
7) CE1515	15150	19.80	5	1140	R.Corporacion	11.25–04.00	
1) CE1530	15300	19.61	0.5	570	R.SocNacional de Agricultura		(A)

Medium Waves:

Call	kc/s	kW	Call	kc/s	kW	22) Call	kc/s	kW
1) CB57	570	15	10) CB93	930	10	2) CA127	1270	0.25
12) CC59	590	1	35) CA96	960	0.3	56) CC127	1270	0.25
13) CB62	620	2	36) CC96	960	0.25	9) CB130	1300	1
14) CB63	630	1	37) CB97	970	1	57) CD132	1320	1
15) CA63	630	0.25	38) CD101	1010	1	58) CB132	1320	1
16) CD63	630	1	8) CB101	1010	1	60) CC133	1330	0.15
17) CA64	640	0.5	39) CD103	1030	1	59) CB134	1340	1
18) CC64	640	1	40) CB103	1030	1	61) CA135	1350	
19) CB66	660	12	4) CB106	1060	10	62) CC135	1350	
20) CB68	680	1	41) CA108	1080	1	63) CD135	1350	0.5
21) CC68	680	0.5	42) CC108	1080		11) CB138	1380	15
22) CD69	690	1.2	43) CA109	1090		64) CC141	1410	1
23) CB70	700	1	44) CC109	1090	1	65) CB141	1410	1
24) CA70	700	0.25	45) CD111	1110	1.25	66) CB142	1420	0.25
6) CB73	730	10	46) CB111	1110	1	67) CC143	1430	1
25) CB76	760	75	47) CC111	1110	0.1	69) CC144	1440	1
26) CB82	820	1	7) CB114	1140	50	70) CB146	1460	0.1
27) CA82	820	05.	48) CC116	1160	1.5	71) CD146	1460	
28) CC84	840	0.8	49) CB118	1180	25	72) CB147	1470	
29) CD84	840	1.5	50) CD121	1210	10	68) CC148	1480	0.25
30) CB84	840	2	51) CA121	1210	0.25	73) CB150	1500	
31) CD89	890	1	52) CB124	1240	0.25	74) CA152	1520	
32) CB89	890	1	53) CC125	1250	1	75) CC152	1520	0.25
33) CC90	900	0.1	54) CA126	1260		76) CB154	1540	
34) CB90	900	1	55) CB126	1260	1	77) CB156	1560	1
3) CA90	900	1						

FM: 1) CE92 92.0 mc/s 19) CE88 88.0 mc/s.
A = Soc. Nac. de Agricultura. B = Cia, Chilena de Communicaciones C = Soc. Chilena Radiodifusores S.A.
1) **ADDR.:** Augustinas No. 718, Santiago. – **L. P.:** Man. Sr. Raul Santa Maria. – **D. PRGR.:** "German Hour": D. 12.35, D. exc. Mo. 00.40–01.10. Sun. 23.00–24.00 (reports to be sent to: Casilla 1712). – **N.:** 10.30, 11.30, 12.25, 16.45, 17.25, 02.25. – **VER.** by QSL-card.
2) **ADDR.:** Casilla 708, Antofagasta. – **L. P.:** Dir. Sr. Eduardo Torrens.
3) **ADDR.:** Casilla 457, Antofagasta. – **L. P.:** Dir. Sr. Antonio Cajiao.
4) **ADDR.:** Moneda 973, piso 3, Santiago. – **L. P.:** Man.: Sr. Enrique Sanchez. – **D. PRGR.: N.:** 11.30, 12.30, 16.45, 17.30, 00.30, 02.30, 03.30. – **ANN.:** "Santiago de Chile", Radio Sociedad Nacional de Mineria. – **INT.-SIG.:** Gong. – **VER.** by QSL-card.
5) **ADDR.:** Casilla 1, Calama. – **L. P.:** Dir. Sr. Pedro Vergara Keller.
6) **ADDR.:** Casilla 1627, Valparaiso. – **L. P.:** Dir. Gen.: Sr. Luis Falcon. – **D. PRGR.: N.:** 11.30, 17.00, 01.00, 04.00. **"Melodies y canciones populares de los Estados Unidas de America"**, Sat. 23.10. – **German Hour:** Wed. 22.45–23.45. **"Childrens Hour of the Scandinavian Airlines System":** Sat. 23.00–23.30. – **ANN.:** "La Voz de Chile para toda America". When all stations transmitting simultaneously "Transmite Radio Cooperativa Vitalicia y la Primera Cadena Chilena de Emisoras. – **VER.** by QSL-card.
7) **ADDR.:** Morandé 25, Santiago. – **L. P.:** Dir. Sr. A. Moreno. – **D. PRGR.: N.:** 11.30, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 21.00. 22.00, 23.00, 03.00. **"English Lessons":** Tues. 22.45–23.00. – **ANN.:** "Transmite CB114 Radio Corporacion de Santiago de Chile, con sus ondas cortas en 19 y 49 metros".
8) **ADDR.:** Huerfanos 930, Santiago. – **L. P.:** Dir. Sr. Guillermo Castillo. – **D. PRGR.: N.:** 12.30, 13.00, 13.30, 15.30, 16.00, 16.30, 17.00,

17.30, 18.00, 23.00, 23.30, 00.30, 01.00, 02.30, 04.00. – **ANN.**: "CB101 y CE766 Estaciones de Radio Yungay de la Corporacion Chilena de Radiodifusion Ltda. Santiago de Chile." – **INT.-SIG.**: First movement of the song "Donde el Azul de la Noche encuentra el Ovo del Dia." – **VER.** by letter.

9) **ADDR.**: Nueva York 53, piso 7°, Santiago. – **L. P.**: Dir. Sr. Hector Gonzales. – **D. PRGR.**: **N.**: 10.45, 11.30, 12.30, 01.30, 02.30, 03.30. – **INT.-SIG.**: Gong with notes from the melody "Los Copihues Rojos". – **VER.** by QSL-card.

10) **ADDR.**: Alameda 924, piso 7°, Santiago. – **L. P.**: Dir. Sr. Juan Raggio.

11) **ADDR.**: Plaza Bulnes 47, piso 8°, Santiago. – **D. PRGR.**: 12.00, 16.00, 19.00, 01.00, 03.00. – **German Hour**: 00.00.

Medium Waves only.
ADDR. and L. P.

12) R. Condor, Casilla 486, Concepcion.
13) R. La Reina, Nueva York 25, Santiago. – **L. P.**: Sr. Guillermo Camus.
14) R. Prieto, Edwards 382, Valparaiso.
15) R. Esmeralda, Casilla 209. Iquique. – **L. P.**: Sr. Antonio Cajiao.
16) R. Sur, Casilla 60-D, Valdivia.
17) R. Norte Verde, Casilla 252, Ovalle. – **L. P.**: Sr. Francisco Morales.
18) R. El Sur, Casilla 482, Concepcion. – **L. P.**: Sr. Mario Saez Lagos.
19) R. Chilena, Rosas 1269, Santiago. – **L. P.**: Sr. Hector Valenzuela. – **D. PRGR.**: **N.**: 11.05, 12.00, 17.15, 22.15, 01.05. – **"German Hour"**. D. 17.00–18.00 and 21.00–22.00.
20) R. Soc. Nac. de Mineria, Casilla 337, Vina del Mar. – **L. P.**: Sr. L. Munos.
21) R. Lautaro, Casilla 214, Talca. – **L. P.**: Abasolo y Tarud Ltda.
22) R. La Frontera, Casilla 516, Temuco. – **L. P.**: Sr. Daniel de Mayo.
23) R. Santiago, Bandera 657, Santiago. – **L. P.**: Sr. Ruperto Vergara. – **D. PRGR.**: **"German Hour"** D. 17.35–18.00.
24) Coya, Maria Elena, Antofagasta, and Casilla 13260 Santiago. – **L. P.**: Sr. Nicanor Lora.
25) Cooperat. Vitalicia, Bandera 236, Santiago. – **L. P.**: Sr. José M. Xicota. Sat. 23.00: same prgr. as No. 6.
26) Del Pacifico, Portal F. Concha 960, Santiago. – **L. P.**: Sr. Ricardo Vivado.
27) Del Salitre, Casilla 7-D, Iquique. – **L. P.**: Sr. Waldo Concha.
28) Almte. Latorre, Casilla 358, Talcahuano. – **L. P.**: Sr. Alejandro Deij.
29) Sago, Casilla 35-O, Osorno. – **L. P.**: Sr. Pablo Burgos.
30) R. Recreo S.A., Calle Valparaiso 625, Vina del Mar. Casilla 1735 Valparaiso. – **L. P.**: Pres.: Sr. Vicente Narañjo Chamoneaux. Mgr.: Enrique Godoy Donoso. Dir. Sra. Josefina Cabello Castro. Chief-Eng.: Julio Coiro Tribuzzio. – **D. PRGR.**: 12.00–04.00.
31) Polar, Casilla 447, Punta Arenas.
32) Bulnes, Estado 360, Santiago. – **L. P.**: Sr. Carlos Briceno.
33) El Roble, Casilla 37, Parran. – **L. P.**: Sr. Juan Rogazy C.
34) Soc. Nac. Agricultura, Casilla 90, Valparaiso.
35) Riquelme, Casilla 141, Coquimbo. – **L. P.**: Sr. Cesar Nieme.
36) Condell, Yungay 10, Curico. – **L. P.**: Sr. Alberto Cuerra.
37) Prat, S. Lucia 270, Santiago. – **L. P.**: Sr. Pedro Valenzuela.
38) Llanquihue, Casilla 356, Puerto Montt.
39) Cautin, Casilla 169, Temuco.
40) R. Caupolican, Condall 1459, Caupolican. – **L. P.**: Sra. Lucia D'Ambra.
41) Serena, Casilla 118, La Serena. – 42) R. Diego Portales.
43) R. Toco. – 44) R. Rancagua, Casilla 21, Rancagua. – **L. P.**: Sr. Jorge Romero.
45) R. Austral, Casilla 40-D, Punta Arenas. – **L. P.**: Sr. Ricardo Mathione.
46) R. Los Castaños, Casilla 534, Viña del Mar. – **L. P.**: Sr. J. Venegas.
47) R. Centenario, Casilla 18, San Javier. – **L. P.**: Sr. Mario Gaete.
48) R. Simon Bolivar, Casilla 318, Concepcion. – **L. P.**: Sr. Antonio Jaen.
49) R. Christobal Colon, Casilla 89-V, Valparaiso. – **L. P.**: Sr. A. Izy Reyes.
50) R. Soc. Nac. Agricultura Los Angeles, Casilla 327, Los Angeles.
51) R. Atacama, Casilla 100, Copiapo.
52) R. Valparaiso, Uruguay 836, Valparaiso. – **L. P.**: Sr. Edw. Benavides.
53) R. Lircay, Casilla 450, Talca. – **L. P.**: Sr. H. Vaccaro. – 54) R. El Morro.
55) R. Nacional S. Diego 236, Santiago. – **L. P.**: Sr. Luis H. Sorrel.
56) R. Nuble, Casilla 21-B, Chillan. – **L. P.**: Sr. Victor Bustos E.
57) R. R. Baquedano, Casilla 758, Valdivia. – **L. P.**: Owner: Gen. Man.: C. Cockbaine Riquelme. Dir. of Relations: C. 2° Cockbaine Monsalve. Dir. Prgr.: E. Schneider Schneider. Adm. & Dir. of Press & Information: E. M. Luna. Chief. Eng.: O. P. Alvarez. – **D. PRGR.**: 12.00–18.30, 20.00–03.00. – **VER.** by QSL-card. – **F. PL.**: s.w. station to be installed.
58) R. Cochrane, Casilla 857, Valparaiso. – **L. P.**: Sr. David Wallace.
59) R. Cervantes. 21 de Mayo 617, Santiago.
60) R. La Discusion, Casilla 14-D, Chillan. – **L. P.**: Sr. Lautaro Vergara O.
61) R. Pampa.
62) R. Central, Casilla 119, Rancagua. – **L. P.**: Owner: Orlando Massoni.
63) R. La Voz del Sur, Casilla 226. Punta Arenas. – **L. P.**: Sr. H. C. Wilson.
64) R. Araucania, Casilla 462m, Concepcion. – **L. P.**: Sr. Rafael Arjons.
65) R. Chacabuco, Casilla 252, Quillota. – **L. P.**: Sr. Enrique Lopez.
66) R. Hispania, Ejercito 608, Santiago. – **L. P.**: Sr. Oscar Moraga.
67) R. Independencia, Casilla 132, Molina. – **L. P.**: Sr. R. J. Caray.
68) R. Manuel Rodriquez, San Fernando. – **L. P.**: Sr. Luiz Guerra.
69) R. El Cobre, Casilla 21, Rancagua.
70) R. O'Higgins, Alonso Ovalle 1090, piso 3°, Santiago. – 71) R. Arauco. – 72) R. Universidad de Chile. – 73) R. Sud America. – 74) R. Patricio Lynch. – 75) R. Soberania, Casilla 11-D, Linares. **L. P.**: Sr. R. Abasolo. – 76) R. Cronos. – 77) R. Sargento Aldea, Casilla 38, San Antonio. **L. P.**: Sr. Ernesto Bouey.

R. MILITAR AUSTRAL (Military).
ADDR.: Punta Arenas. **Station**: CD125 1250 kc/s 240 m 0.5 kW. Short Wave CE920 9200 kc/s 32.61 m 0.5 kW. – **D. PRGR.**: 00.00–03.30.

★ COLOMBIA ★

Local Time: 5 h. behind GMT. – **Language**: Spanish.
All stations commercial exc. R. Nacional (Official) and those marked with[1])(Cultural) A) Stations belonging to Primera Cadena Radial Colombiana "CARACOL". B) Stations belonging to Circuito Radial "A. B. C." S.A. C) Stations belonging to Radio Reloj S. A.

Short Waves: * = inactive.

Call	kc/s	m	kW	Name	h. of tr.
1) HJGO[1])	3250	92.31	10	R. Sutatenza	10.50–02.00
2) HJEF	4765	62.95	3	R. Occidente	10.45–05.00
3) HJBG *	4775	62.84	2	La Voz del Norte	
4) HJKD	4785	62.74	10	Em. Nuevo Mundo A	11.00–05.00
5) HJFU	4795	62.54	1	La Voz del Comercio	
6) HJTB[4]) *	4795	62.50	10	Radiodifusora Militar	
7) HJDU[1])*	4805	62.43	1	Universidad de Antioquia	
8) HJKT	4815	62.34	1	La Voz de Cucuta A	11.00–05.00
9) HJHC	4825	62.18	1	R. Nariño	12.00–04.00
10) HJKE	4835	62.05	10	R. Continental	13.00–04.00
11) HJGF	4845	61.92	1	R. Bucaramanga	11.00–04.00
12) HJFV	4855	61.79	10	R. Neiva	11.00–05.00
13) HJFA	4865	61.66	1	La Voz de Pereira	12.30–04.00
14) HJFM *	4875	61.54	1	La Voz de Armenia	
15) HJCH *	4895	61.29	5	La Voz de la Victor	
16) HJAG	4905	61.16	1	Emisora Atlantico	11.30–04.00
17) HJEQ	4915	61.04	1	La Voz del Cauca	
18) HJAP	4925	60.91	1	R. Colonial	
19) HJFR	4935	60.80	1	Ondas del Ibague	11.00–04.00
20) HJCW	4945	60.66	1	Em. Sur America	11.00–05.00
21) HJAF	4965	60.42	10	Em. Fuentes B	11.00–05.00
22) HJCA	5015	59.82	10	R. Nacional	12.00 (Sun. 14.00)–05.00
23) HJFW	5025	59.70	1	Transmisora Caldas	12.00–04.00
24) HJDW	5055	59.36	1	La Voz de Medellin	11.50–04.00
1) HJGO[1])	5075	59.13	25	R. Sutatenza	10.50–02.00
25) HJCF	5960	50.34	10	La Voz de Bogota	11.00–04.00
26) HJDY *	5980	50.16	10	R. Libertad	
27) HJCX	6018	49.85	10	La Voz de Colombia	12.00–04.30
28) HJLB	6040	49.67	10	La Voz del Tolima	12.00–04.00
29) HJEX	6055	49.55	5	R. Pacifico	11.30–04.30
1) HJGC[1])*	6075	49.38	10	R. Sutatenza	
30) HJFB	6105	49.14	10	R. Manizales	12.00–22.00
31) HJEV *	6135	48.90	1	La Voz del Valle	
32) HJDE	6145	48.82	10	La Voz de Antioquia A	11.00–05.00
6) HJTC[1])	6155	48.74	10	R. Militar	17.00–04.00
33) HJKJ	6160	48.70	5	Nueva Granada	12.00–24.00
22) HJCQ	6185	48.50	10	R. Nacional	12.00 (Sun. 14.00)–05.00
34) HJEZ	6195	48.43	10	La Voz de Cali	11.30–04.00
22) HJCR[1]) *	9665	31.04	10	Radiodifusora Nacional	
1) HJGB[1]) *	9750	30.77	25	R. Sutatenza	
22) HJKZ[1])	11680	25.68	10	R. Nacional	12.00 (Sun. 14.00)–05.00
1) HJGS[1])*	11900	25.21	25	R. Sutatenza	
22) HJCM*	15235	19.69	10	R. Nacional	
6) HJTD[1])*	15425	19.45	10	R. Militar	
22) HJCT *	17885	16.77	10	R. Nacional	

Medium Waves:

Call	kc/s	kW	Call	kc/s	kW
33) HJKL	600	10	27) HJCZ	710	10
30) HJFD	620	20	35) HJAN (B)	730	10
26) HJDO	650	25	36) HJCV	740	5
22) HJKA	680	10	32) HJDK (A)	770	50

Colombia

	Call	k cs	kW
6)	HJTA	800	10
37)	HJED (A)	820	50
4)	HJKC (A)	840	50
25)	HJCE	860	10
15)	HJCI	890	10
34)	HJEY	900	5
10)	HJCS	920	10
21)	HJAE (B)	930	10
28)	HJLA	950	10
38)	HJFN (A)	970	10
24)	HJDB	980	10
22)	–	990	10
39)	HJDQ	1010	1
40)	HJCC	1020	1
29)	HJER	1030	1
41)	HJDR	1040	1
42)	HJIA	1040	1
7)	HJAH	1050	1
23)	HJFJ	1050	1
43)	HJCG	1060	1
44)	HJAZ (B)	1060	1
45)	HJJF	1070	1
46)	HJDZ (C)	1070	1
14)	HJFC	1080	1
47)	HJAT (C)	1080	1
48)	HJDC	1090	1
49)	HJCN (C)	1100	1
50)	HJAC	1110	1
51)	HJEW (C)	1110	1
11)	HJGE	1130	1
52)	HJJC	1130	1
31)	HJEB	1150	1
53)	HJGJ[1])	1150	1
20)	HJCO	1160	1
54)	HJFX (C)	1170	1
55)	HJBJ	1170	1
56)	HJGK	1180	1
57)	HJCD	1180	1
58)	HJDT	1190	1
59)	HJCV	1200	1
60)	HJAV	1200	1
2)	HJEL	1210	1
61)	HJBE	1210	1
62)	HJAJ	1220	1
63)	HJKR	1220	1
64)	HJFF	1230	1
12)	HJFP	1240	10
65)	HJDI[1])	1240	5
5)	HJFG	1250	1
66)	HJAO (B)	1260	1
67)	HJKN	1260	2
8)	HJBB (A)	1270	1
68)	HJFT	1270	1
69)	HJAQ	1280	1
70)	HJDA	1280	1
71)	HJAD (B)	1290	1
72)	HJCK	1290	1

	Call	kc/s	kW
73)	HJEC	1300	1
74)	HJAK	1310	1
75)	HJCJ	1310	1
76)	HJLB	1310	1
77)	HJGN	1320	1
78)	HJEO	1320	0.75
13)	HJFE	1330	1
79)	HJES	1340	1
3)	HJBF	1350	1
80)	HJKY	1350	1
81)	HJDS	1350	1
9)	HJHA	1350	1
82)	HJFR	1360	1
83)	HJEN	1370	1
84)	HJGH	1380	1
17)	HJEA	1380	1
85)	HJAS	1390	0.75
86)	HJFQ	1390	1
18)	HJAR	1400	1
87)	HJFQ	1400	1
88)	HJEI	1410	1
89)	HJFS	1410	0.75
90)	HJBH	1410	1
7)	HJDV[1])	1410	0.5
91)	HJEU	1420	0.75
92)	HJBD	1420	1
93)	HJEK	1430	0.75
19)	HJFL	1440	1
94)	HJBZ	1440	1
95)	HJFI	1450	1
96)	HJEG	1450	0.75
97)	HJGM	1450	1
98)	HJEZ	1460	1
99)	HJEJ	1460	0.75
100)	HJAL	1460	0.75
101)	HJHB	1470	0.75
102)	HJFK	1470	2.5
103)	HJLC	1480	1
104)	HJDJ	1480	0.75
105)	HJEP	1490	1
106)	HJLE	1490	1
107)	HJCY[1])	1500	1
108)	HJET	1510	0.75
109)	HJDM	1520	0.75
110)	HJBB	1520	1
111)	HJBA[1])	1530	0.1
112)	HJDF[1])	1530	0.25
113)	HJJE	1540	1
114)	HJGD[1])	1540	0.35
115)	HJEM	1550	1
116)	HJCP[1])	1550	0.1
117)	HJGA	1560	0.75
118)	HJKU[1])	1560	9.2
119)	HJKP[1])	1580	0.15
1)	HJGP[1])	1580	1
120)	HJDD[1])	1580	0.2

FM	Call	mc/s	kW	FM	Call	mc/s	kW
35)	HJAN-FM	90.0	0.5 (B)	6)	HJTA-FM	99.0	10
72)	HJCK-FM	91.0		22)	HJKA-FM	102.0	
32)	HJDF-FM	95.0	0.25 (A)	4)	HJKT-FM	103.1	0.25 (A)

A. PRIMERA CADENA RADIAL COLOMBIANA "CARACOL". – **ADDR.:** Calle 53 No. 46–80, Medellin. – **L. P.:** Pres.: William Gil Sánchez. Vice-Pres.: Fernando Londoño Henao.

B. CIRCUITO RADIAL "A.B.C." S.A. – **ADDR.:** Apt.: Aéreo 91, Nal. 31, Cartagena. – **L. P.:** Pres.: Rafael Fuentes L. Vice-Pres.: Fernando Londoño Henao.

C. RADIO RELOJ S.A. – **ADDR.:** Main Office: Calle 19 No. 9–48, Bogota. – **L. P.:** Man. Fernando Londoño Henao.

Short Waves:

1) **ADDR.:** Escuelas Radiofonicas de Sutatenza, Apt. Aéreo Nr. 7170, Bogota. – **L. P.:** Mgr.: R. P. Salcedo S. J. – **ANN.:** "Por Escuela y la Cultura Transmite Radio Sutatenza del Servicio del Radiodifusoras de la Accion Cultural Popular desde Sutatenza en Bogota, Republica Colombia". – **VER.** by QSL-letter.
2) **ADDR.:** Carrera 3a, 9–47, Cali.
3) **ADDR.:** La Voz del Norte, Cucuta. – **L. P.:** Mgr.: Manuel F. Jordan.
4) **ADDR.:** Calle 19 No. 9–48, Bogota. – **Cable:** "Nuevomundo". (A) **L. P.:** Mgr.: Fernando Londoño Henao. Dir.: Carlos Pinzón Monchaliani. – **Time-Sig.:** every half h. – **VER.** by QSL-card.
5) **ADDR.:** La Voz del Comercio, Armenia. – **L. P.:** Mgr.: L. Herrera
6) **ADDR.:** Ministerio de Guerra, Comando General de las Fuerzas Armadas, Departemento No. 2, Bogota. – **L. P.:** Mgr.: Brig. Gral. Ernesto Carrasco. – **D. PRGR.:** N.: 01.00. "E. by Radio": 01.15. **ANN.:** "Radiodifusora Militar de Colombia, Bogota". – **VER.** by QSL-card.
7) **ADDR.:** Universidad de Antioquia, Medellin. – **L. P.:** Mgr.: Msr. Felix Henao B.
8) **ADDR.:** Av. 5a No. 10–11, Cúcuta. (A) – **L. P.:** Mgr.: Fernando Maldonado C.
9) **ADDR.:** Apt. Aéreo 390, Pasto. **Cable:** "Radionariño". – **L. P.:** Mgr.: Marco Santacruz Diaz. – **INT.-SIG.:** Bells every halfhour. – **VER.** by QSL-card or letter.
10) **ADDR.:** Apt. Aéreo 53–42, Carrera 7a No. 22–38, Bogota. – **L. P.:** Mgr.: Jorge Palacios. – **VER.** by letter.
11) **ADDR.:** R. Bucaramanga, Bucaramanga. – **L. P.:** Mgr.: Gustavo Sorzano. – **VER.** by letter.
12) **ADDR.:** Calle 7a No. 5–69, Neiva, Huila. **Cable:** "Radioneiva". – **L. P.:** Mgr.: Lorenzo Garcia Castro. Dir. Prop.: Carlos Martinez Ch. Dir. Prgr.: Julio Molina Vergara. Dir. Tec.: Carlos Castillo. Dir. Foreign Relations: Bertha Londoño de Estrada. – **ANN.:** "Estas son amigos, Emisoras Radio Neiva HJFV 4855 kc/s onda corta en la banda de 62 metros y HJFP 1240 kc/s onda larga. Emisoras filiales de Ca-Ra-Col primera cadena radial colombiana". – **VER.** by QSL-card.
13) **ADDR.:** R. Cadena Nacional, Pereira. – **L. P.:** Mgr.: Jorge Ortiz P.
14) **ADDR.:** Armenia. – **L. P.:** Mgr.: Jose M. Toro E.
15) **ADDR.:** Apt. 565, Bogota. – **L. P.:** Mgr.: Alfonso Gaitan C.
16) **ADDR.:** Calle 34, No. 43–146, Apartado 174, Barranquilla. – **Cable:** "Emisatlan". – **L. P.:** Mgr.: Miguel A. Blanco. – **VER.** by QSL-card.
17) **ADDR.:** Popayan. – **L. P.:** Mgr.: Luis Burchardt.
18) **ADDR.:** Calle de Porvenir, Cartagena. – **L. P.:** Mgr.: G. Calvo Nunez.
19) **ADDR.:** Carrera 3a No. 12–56, Ibague. – **L. P.:** Mgr.: Luis E. Martinez.
20) **ADDR.:** Carrera 9a No. 12–23, Bogota. – **L. P.:** Mgr.: Abel Naranjo Villegas. – **VER.** by QSL-card.
21) **ADDR.:** Apartados: Aéreo 91, Nal. 31, Cartagena. (B) – **L. P.:** Mgr.: Rafael Fuentes L. Dir.: Julio Cantillo. – **D. PRGR.:** **Time-Sig.:** every half-hour. – **VER.** by QSL-card.
22) **ADDR.:** Transversal 17 No. 25–65, Bogota. – **L. P.:** Mgr.: Fernando Gomez Agudelo. Dir. of Information & Propaganda: Jorge Luis Arango. – **D. PRGR.:** N.: W.: 13.00, 18.05, 22.30, 04.00. Sun. 18.00. – **English by Radio:** W. 12.05–12.25. – **ANN.:** "Radio Televisora Nacional de Colombia". – **VER.** by QSL-card or letter.
23) **ADDR.:** Transmisora Caldas, Manizales. – **L. P.:** Mgr.: Ignacio Escobar.
24) **ADDR.:** Apt. 1244, Medellin. – **L. P.:** Mgr.: Augusto Moreno. – **VER.** by letter.
25) **ADDR.:** Apt. 312, Bogota. – **L. P.:** Mgr.: Gustavo Uribe Th. – **VER.** by letter.
26) **ADDR.:** Apt. Aereo No. 10–20, Carrera 47 (Sucre), No. 53–29, Medellin. – **Cable:** "Radiolibertad". – **L. P.:** Mgr.: Zuleta Ferrar. – **VER.** by QSL-card or letter.
27) **ADDR.:** Carrera 9a, No. 12–23, Apartados Postal No. 2665, Aéreo No. 3855, Bogota. – **Cable:** "Vozcolombia". – **L. P.:** Mgr. Carlos Albarnoz. – **D. PRGR.:** N.: 03.00. – **ANN.:** "La Voz de Colombia – 710 en su radio". – **INT.-SIG.:** First notes from Grieg's Concerto in A-minor. – **VER.** by QSL-card.
28) **ADDR.:** Calle 12 No. 2–35, Apt. Aéreo 604, Ibaque. – **L. P.:** Mgr.: Floro Saavedra. – **VER.** by QSL-card or letter.
29) **ADDR.:** Apt. Aéreo 2180, Nal. 559, Cali. – **L. P.:** Mgr.: Julio Cordoba M. – **VER.** by letter.
30) **ADDR.:** Carrera 22 No. 19–48, Manizales. – **L. P.:** Mgr.- Alberto Hoyos Arango. Adm.: Eduardo Mejia Vélez. Dir. of Prgr.: Carlos Velasco. – **D. PRGR.:** N.: 12.00, 17.30, 00.00. – **National Music:** 13.15, 21.00, 03.15. – **Mailbag:** 15.30, 19.30. – **VER.** by letter.
31) **ADDR.:** Calle 11, No. 4–52, Cali. – **L. P.:** Mgr.: Eduardo Córdoba V.
32) **ADDR.:** Calle 53 No. 46–80, Medellin. (A) – **L. P.:** Mgr.: W. G. Sánchez. Dir. L. Garcia. – **TIME-SIG.:** every half-h. – **VER.** by QSL-card.
33) **ADDR.:** Carrera 15, No. 13–47, Bogota. – **L. P.:** Mgr.: J. Alvarez Botero. – **VER.** by letter.
34) **ADDR.:** Apt. Aéreo 1972, Cali. – **Cable:** "Vozcali". – **L. P.:** Mgr.: B. Tobon de La Roche. – **VER.** by letter.

Medium Waves:

35) **Emisoras Unidas** (B), Apt.: Aéreo 154, Nacional 324, Barranquilla, **Cable:** "Emisunidas". – **L. P.:** Mgr.: Rafael Fuentes L. Dir.: Marcos Pérez. – **Time-Sig.:** Every half h. – **Ver.** by QSL-card.
36) **R. Capital**, Bogota. – **L. P.:** Mgr.- Jesus Alvarez Botero. – 37) **La Voz del Rio Cauca** (A), Carrera 1a No. 18–39, Cali. – **L. P.:** Mgr.: Ramiro de Francisco. Dir.: Rueda Santos. – **D. Prgr.:** 11.00–05.00. – 38) **"La Voz del Café"** (A), Carrera 8a No. 15–47, Pereira. – **L. P.:** Mgr.: Fabio Garcia Salazar. **D. Prgr.:** 11.00–05.00. – 39) **Emisora Claridad**, Medellin. – **L. P.:** Mgr.: Samuel Parra. – 40) **Emisora Mil Veinte**, Bogota. – **L. P.:** Mgr.: Enrique Ariza R. – 41) **La Voz del**

Triunfo, Medellin. – L. P.: Mgr.: Eduardo Ramirez T. – 42) R. Villavicenio, Villavicenio. – L. P.: Mgr.: Guillermo Padilla. – 43) R. Santa Fé, Bogota. – L. P.: Mgr.: Hernando Bernal A. – 44) La Voz del Sinu, (B), Edif. Teatro Nariño – 2° piso, Monteria, – L. P.: Mgr.: Ernesto Méndez. – D. Prgr.: 11.00–05.00. – 45) R. Musical, Cali. – L. P.: Mgr.: B. Tobon de la Poche. – 46) R. Reloj (C) Calle 53, No. 46–80, Medellin. – L. P.: Pres.: Dr. William Gil Sánchez. – D. Prgr.: 24 h. – 47) R. Reloj (C), Carrera 42, No. 23–46, Barranquilla. – L. P.: Mgr.: Rafael Fuentes. D. Prgr.: 24 h. – 48) Ecos de la Montana, Medellin. – L. P.: Mgr.: Beatriz Ferrar V. – 49) R. Reloj (C), Calle 19 No. 9–48, Bogota. – L. P.: Mgr.: Fernando – Londono Henao. D. Prgr.: 24 h. – 50) Emisora Riomar, Barranquilla. – L. P.: Mgr.: José Vicente Mesa. – 51) R. Reloj, (C), Carrera 1a No. 18–39, Cali. – L. P.: Mgr.: Ramiro de Francisco. D. Prgr.: 24 h. – 52) R. Cartago, Cartago. – L. P.: Mgr.: Joel Valencia. – 53) Esc. Radiofonicas, Belencito. – L. P.: Mgr.: R. P. Salcedo S. J. – 54) R. Reloj (C), Bco. Comercial Antioqueño, Officinas 308 y 309, Manizales. – L. P.: Mgr.: G. Aristizábal. – D. Prgr.: 24 h. – 65) Emisora Pontificia, Medellin. – L. P.: Mgr.: Msr. Felix Henao B.
66) R. Vigia (B), Apartados, Aéreo 154, Nal. 324, Barranquilla. – L. P.: Mgr.: Rafael Fuentes. D. Prgr.: 24 h. –
67) Emisora Metropolitana, Bogota. – L. P.: Mgr.: José Antonio Vanegas. – 68) Ecos del Combeima, Ibaque. – L. P.: Mgr.: Camilo Raful. – 69) R. Miramar, Cartagena. – L. P.: Mgr.: V. Nieto. – 70) Emisora Siglo XX, Medellin. – L. P.: Mgr.: Roberto L. Toro. – 71) R. Vigia (B), Apartados: Aéreo 91, Nal. 31, Cartagena. – L. P.: Mgr.: Rafael Fuentes L. – D. Prgr.: 24 h.
72) "El Mundo en Bogota", Carrera 7a No. 17–14, 3er piso, Bogota. – L. P.: Mgr.: Alvaro Castano Castillo. Dir. Prgr.: Hernan M. Velez. Dir. Production: Gonzalo R. Caro. – D. Prgr.: 13.00–04.00.
74) "La Voz de la Patria", Apt.: Aéreo No. 231, Nal. 621, Barranquilla. Cable: "Voz Patria". – L. P.: Gen. Mgr.: C. Vassallo M. Comm. Mgr.: Cesar A. Carroll. Dir. Prgr.: E. Vassallo G. Dir. Tec.: Clemente V. Gomez. Dir. Press & Information: Alfonso C. Bermudez. – D. Prgr.: 11.00–05.00. – VER. by QSL-card. – F. Pl.: Increase of power to 5 kW 1957.
111) "La Voz de Pamplona, Pamplona, N. de Santander. – L. P.: Dir. Gen.: Pbro. E. Peinado. Dir. Prgr.: J. Parada Delgado. Dir. Tec.: Alfonso Moncada Lemus. D. Prgr.: 23.00–04.00. – Ver. by QSL-card. F. Pl. A 5 kW comm. station at the end of this year.

★ ECUADOR ★

Local Time: 5 h. behind GMT. – Language: Spanish.
All stations comm. exc. HCJB.

DIRECCION GENERAL DE TELECOMMUNICACIONES

Inspector General, Benalcazar 698, Quito.
The prefixes indicate station location: 1 located in the provinces Pichincha, Imbabura & Carchi. – 2. located in the provinces Guayas & Los Rios. – 3. located in the province Loja. – 4. located in the provinces Manabi & Esmeraldas. – 5. located in the provinces Azuay & Chimborazo. – 6. located in the provinces Tungurahus & Cotopaxi.
Short Waves: * = inactive.

	Call	kc/s	m	kW	m.w.	Name	h. of tr.
1)	HC1GB	3325	90.23	0.25		R. Nac. Espejo	
2)	HC5JC	3380	88.76	0.2		La Voz de Salcedo ah)	
3)	HC4JP	3385	88.63	0.25		Ondas Manabitas	
3a)		3860	77.80			La Voz de los Lagos, Otavalo	
3b)	HC1JH	3950	75.95			R. Turismo, Otavalo	
4)	HC5LR	3955	75.85	0.3		La Voz de Alausi ad)	
5)	HC2JJ	3960	75.76	0.2		Ecos del Agro	
6)	HC4HV	3970	75.57	0.3		La Voz de Jipijapa i)	
7)	HC5JA	3990	75.19	0.25		R. Atenas	
1)	HC4GB	3995	75.04	0.2		R. Nac. Espejo	
8)	HC5AO	4000	75.00	0.25		La Voz del Tomebamba	
8a)	HC1TA	4305	69.68			R. Escuelas Radiales, Lita	
8b)	HC2VM	4450	67.40			La Voz del Milagro, Milagro	
8c)	HC8EC	4450	67.40			R. Central, Vinces	
9)	HC2HG	4500	66.66	0.2		R. Emisora Central	
9a)	HC4NE	4575	65.70			R. Nac. Espejo, Esmaraldas	
9b)	HC2VP	4640	64.70			R. Atalaya, Guayaquil	
10)	HC2AJ	4650	64.52	1	1050	R. Dif. del Ecuador	
11)	HC4MX	4705	63.49	0.2		R. Cenit	
11a)	HC5HN	4710	63.78			R. Hermig, Cuenca	
11b)	HC2VT	4725	63.60			La Voz del Tropico, Quevedo	
11c)	HC4FF	4730	63.50			La Voz de Esmeraldas, Esmeraldas	
12)	HC5HM	4750	63.15	0.25		R. Amazonas j)	
13)	HC6LJ	4755	63.09	0.3		La Voz de Bolivar	
14)	HC4FA	4760	63.03	0.25		LaVoz de Manabi 0100-0330	
14a)	HC5FC	4770	62.89			R. Deportiva Chimborazo, Riobamba	
1)	HC1GB	4770	62.89	5	1310	R. Nac. Espejo 24 h	
15)	HC1LC	4780	62.76	0.2	824	R. Atahualpa	11.30–04.00
16)	HC4DP	4780	62.76	0.2		La Voz de Chone a)	
17)	HC4AS	4789	62.65	0.25		La Voz de los Caras	
18)	HC3RC	4810	62.37	0.25		R. Coro Santa Cecilia	
11)	HC4DC	4815	62.34	0.25		R. Cenit t)	
19)	HC2ET	4825	62.18	0.25	835	R. El Telegrafo f)	
20)	HC3CV	4850	61.86	0.25		Ondas del Zamora k)	
21)	HC4DR	4870	61.60	0.25		R. Miramar e)	
22)	HC1MI	4890	61.35	3	1410	Emisoras Gran Colombia,	10.45–14.00, 17.00–20.00, 23.00–06.00
23)	HC1IM	4900	61.22	0.25		La Voz de Imbabura	
24)	HC1AR	4910	61.10	0.2		La Voz del Montufar s)	
25)	HC6JK	4920	60.98	0.2		R. Cultural Religiosa	
26)	HC1RC	4930	60.85	0.25	1430	R. Casa de la Cultura W.:	11.30–13.00, 17.00–19.00, 00.00–03.15 (Sun. 04.00).
26a)	HC5HP	4960	60.48	0.25		Ondas Ecuatorianes, Riobamba	
27)	HC2MD	4970	60.36	0.2		La Voz de la Peninsula	
28)	HC5JE	4980	60.25	0.25	1200	Ondas Azuayas	
28a)	HC3DC	4990	60.12			Ondas Castellanas, Loja	
29)	HC1RP	5015	59.82	0.25	880	R. Catolica	
30)	HC2BK	5015	59.82	0.25	1220	R. El Mundo c)	12.00–03.00
31)	HC5CB	5015	59.82	0.25		La Voz de Azogues	
32)	HC5AL	5025	59.70	0.25		R. Nueva Austral	
33)	HC5ET	5050	59.41	0.20	1090	R. Roxi	13.00–03.00
34)	HC6GT	5195	57.75	0.3	1320	R. Continental	
35)	HC2NL	5510	54.45	0.2		La Voz del Campesino	
36)	HC1GT	5955	50.38	0.2	1380	Ondas Nacionales	
37)	HC1FM	5960	50.34	0.25		R. Equinoccial ag)	
38)	HC5GE	5965	50.28	0.25	1480	R. Mundial	13.00–04.00
39)	HC1JM	5970	50.25	0.2		R. Tulcan h)	
40)	HC3CD	5975	50.21	0.4		R. Fatima v)	
41)	HC6RT	5980	50.17	0.3	1355	R. Paz y Bien x)	
42)	HC3JZ	5985	50.13	0.2		R. Trebol	
43)	HC6GY	5990	50.08	0.3		R. Luz 11.00–14.00, 17.30–19.30, 22.00–01.00, 02.00–04.00	
44)	HC1DF	6000	50.00	0.2		La Voz del Norte y)	
45)	HC4EB	6015	49.88	0.2		R. Manta 16.30–18.00, 22.30–04.00	
46)	HC5TO	6025	49.79	0.25	1270	La Voz del Pueblo	
47)	HC5PT	6029	49.75	0.25		La Voz del Perpetuo Socorro	
48)	HCJB	6050	49.59	1	700/760	La Voz de los Andes	
49)	HC1AC	6060	49.50	0.25	1280	La Voz de la Democracia z)	11.30–04.30
50)	HC2AQ	6070	49.42	0.25	1450	R. Nueva Ortiz aa)	14.00–04.00
51)	HC2DE	6080	49.34	0.3	800	Radiodifusora Bolivar	
52)	HC6VM	6090	49.26	0.2		R. Once de Noviembre af)	
53)	HC2CA	6130	48.94	0.25	1140	R. Condor	10.00–05.00
11)	HC2DC	6150	48.78	0.25	1300	R. Cenit b)	13.00–04.15
54)	HC4LT	6155	48.74	0.3		R. Costa Azul u)	
55)	HC2PJ	6170	48.62	0.2		R. Fluminense	
56)	HC4DY	6190	48.47	0.3		R. Iris ac)	
57)	HC6EM	6195	48.43	0.25	1550	R. Cosmopolita ab)	
58)	HC2RL	6400	46.88	0.2		R. Quinta Piedad ae)	02.00–04.00 (Wed. only)
58a)	HC5VA	6557	45.60			La Voz de Azogues, Canar	
58b)	HC2CA	6985	42.95			R. Costa Azul, Salinas	
58c)	HC6FV	7000	42.86			La Voz del Cotopaxi, Latacunga	
58d)	HC7MT	7000	42.86			La Voz Oriental, Tena	
59)	HC2UM*	9550	31.41	0.25	1270	R. Universal	
60)	HC3JC*	9570	31.35	0.2		R. Fenix	
48)	HCJB	9745	30.78	50	700/760	La Voz de los Andes	
61)	HC2AU*	11765	25.50	0.25	1320	R. Atalaya	
48)	HCJB	11915	25.18	10	700/760	La Voz de los Andes	
48)	HCJB	15115	19.85	50	700/760	La Voz de los Andes	
48)	HCJB	17890	16.77	10	700/760	La Voz de los Andes	

Medium Waves:

	Call	kc/s	kW		Call	kc/s	kW
62)	HC1PX	670	0.25	29)	HC1RP	880	0.2
48)	HCJB	700	1	66)	HC2GT	895	0.2
48)	HCJB	760	0.5	67)	HC1CM	920	0.3
51)	HC2DE	800	0.3	68)	HC2VL	925	0.3
63)	HC2EM	802	0.2	69)	HC2DX	935	0.325
15)	HC1LC	824	0.2	70)	HC2MC	955	0.2
19)	HC2ET	835	0.25	71)	HC1NC	960	0.25
64)	HC2FZ	850	0.3	72)	HC1EM	970	0.2ai)
65)	HC1NC	855	0.2	73)	HC2AW	975	0.3

	Call	kc/s	kW		Call	kc/s	kW
74)	HC1GH	990	0.3	49)	HC1AB	1280	0.25
75)	HC2FU	1010	0.2	11)	HC2DC	1300	0.25
76)	HC1LV	1020	0.2	1)	HC1GB	1310	5
77)	HC2UN	1025	0.2	61)	HC2AU	1320	0.25
10)	HC2AK	1050	1	34)	HC6HQ	1320	0.2
78)	HC1VP	1065	0.3	41)	HC6RT	1355	0.3
79)	HC2FD	1080	0.2	88)	HC1RQ	1360	0.25o)
33)	HC5AE	1090	0.2	26)	HC2BX	1370	0.25
80)	HC1BD	1111	0.25e)	36)	HC1GT	1380	0.2
81)	HC2LA	1115	0.2d)	89)	HC6GR	1380	0.2
53)	HC2FB	1140	2	90)	HC2FL	1400	0.3
82)	HC5CZ	1150	0.25m	22)	HC1MI	1410	0.25
83)	HC2BE	1190	0.3	91)	HC2MB	1430	0.25g)
28)	HC5JE	1200	0.25	26)	HC1BX	1430	0.25
84)	HC1GU	1210	0.25	1)	HC6BG	1440	0.3r)
30)	HC2BK	1220	0.25	50)	HC2AQ	1450	0.2
85)	HC6JM	1225	0.2	92)	HC1GM	1460	0.2
86)	HC1LR	1245	0.25	38)	HC5GE	1480	0.25
87)	HC2RB	1250	0.1	93)	HC1VR	1520	0.25
46)	HC5TO	1270	0.25	57)	HC6EJ	1550	0.25
59)	HC2UM	1270	0.25				

a) reported on 3950 kc/s as HC4VC. – b) reported on 4250 kc/s.
c) reported on 4710 kc/s. – d) reported on 4720 kc/s as HC2LB
e) reported on 4730 as HCFF. – f) reported on 4762 kc/s as HC2GI
g) reported on 4770 kc/s as HC2MX. – h) reported on 4780 kc/s as HC1JF.
i) reported on 4800 kc/s. – j) reported on 4805 kc/s as HC5SA.
k) reported as HC3CV; e) reported as HC4RM. – m) reported on 4900 kc/s.
n) reported as HC5JC. – o) reported on 4985 kc/s.
p) reported as HC5ED. – q) reported as HC1GP.
r) reported on 5200 kc/s. – s) reported on 5720 kc/s as HC1VG.
t) reported on 5785 kc/s. – u) reported on 5950 kc/s as HC4CA.
v) reported as HC3RF - x) reported as HC6PB - y) reported as HC1VM
z) reported on 6070 kc/s. – aa) reported on 6170 kc/s.
ab) reported on 6205 kc/s as HC6SP. – ac) reported on 6265 kc/s as HC4RI.
ad) reported on 6610 kc/s as HC2LR. – ae).reported on 6635 kc/s.
af) reported on 6745 kc/s as HC6ON. – ag) reported on 6820 kc/s as HC1IE.
ah) reported on 7000 kc/s as HC6JB. – ai) reported on 7100 kc/s.

Short Waves:

1) **ADDR.:** HC1GB-Otavalo, HC4GB-Esmeraldas, HC1GB (4770 kc/s)-Esmeraldas 85, Quito, HC6GB-Ambato. – **L. P.:** Dir. Gerardo Berborich. – **D. PRGR.:** 4770/1310 kc/s: 24 h. – **N.:** 11.00, 14.00. Every 15 minutes on 1310 kc/s. – **National Music:** 10.00 on 1310 kc/s. 14.30, 20.00, 03.00 on 1310/4770 kc/s. – **Time-Sig.:** Every minute. – **ANN.:** "R. Nacional Espejo de Quito, La primera emisora del pais, matriz de la primera Cadena Nacional de Radiodifusion: Amarillo, Azul y Rojo del Ecuador, transmitiendo con sus nuevos equipos construidos por el Ing. Al Horvath". – **VER.** by QSL-card or letter. – **F. PL.:** Power to be increased to 50 kW.
2) **ADDR.:** Salcedo. – **L. P.:** Dir. Jorge Jarrin Barba. – 3) **ADDR.:** 24 de Mayo, Sucre. – **L. P.:** Dir. José Pineargote. – 4) **ADDR.:** Alausi. – **L. P.:** Dir. Luis Rodriguez. – 5) **ADDR.:** Quevedo. – **L. P.:** Dir. Julio Cesar Jalon Faraud. – 6) **ADDR.:** Jipijapa. – **L. P.:** Dir. Honorato Vasquez. – 7) **ADDR.:** Cuenca. – **L. P.:** Dir. J. Andrade y Cordero. – 8) **ADDR.:** Apartado 23, Cuenca. – **L. P.:** Dir. H. Espinoza. – 9) **ADDR.:** Vinces. – **L. P.:** Dir. Hector Guerrero German. – 10) **ADDR.:** Cia Radiodifusora del Ecuador, Av. Olmedo 111, Guayaquil. – 11) **ADDR.:** HC4MX-Portoviejo, HC4DC-Manta, HC2DC-Av. 9 de Octubre, – 608, Guayaquil. – **L. P.:** Dir. Washington Delgado C. – 12) **ADDR.:** Cuenca. – **L. P.:** Dir. Alejandro Vega Toral. – 13) **ADDR.:** Guaranda. – **L. P.:** Dir. Luis Alarcon R. – 14) **ADDR.:** Av. Bolivar, Portoviejo. – **L. P.:** Dir. César Ch. Canarte. – 15) **ADDR.:** Sucre 251, Quito. – **L. P.:** Dir. Carlos Larrea C. – 16) **ADDR.:** Chone. – **L. P.:** Dir. Odmara C. Intriago. – 17) **ADDR.:** Sucre 1922, Bahia. **L. P.:** Dir. A. N. Pinto. – 18) **ADDR.:** Asociacion Juventud Feminina, Loja. – 19) **ADDR.:** Cia El Telégrafo, 10 de Agosto 601, Guayaquil. – 20) **ADDR.:** 24 de Mayo, Loja. – **L. P.:** Dir. Carlos M. Valarezo. – 21) **ADDR.:** Bahia. – **L. P.:** Dir. Washington Delgado C.
22) **ADDR.:** Calle Guayaquil y Oriente esq. (Edificio Pardo), Casilla 2246, Quito. – **L. P.:** Dir. and Owner: Eduardo Cevallos C. Dir. G. Franco S. Dir. Press. and Information: V. H. Gabela. Dir. Tec.: F. Mejia.
D. PRGR.: On 1410 kc/s: 10.45–06.00; On 4890 kc/s: 10.45–14.00, 17.00–20.00, 23.00–06.00. – **N. & Weatherrep.:** 11.15, 19.00, 23.00, 01.00, 02.00, 03.00, 04.00. – **National Music:** 14.00, 19.15 (1410 kc/s only); 23.45, 05.00.
ANN.: "Desde Quito, Relicario de Arte en América, trasmite **Emisoras Gran Colombia, La Voz Deportiva de la Capital**, La primera y más potente de todo el territorio nacional" – **INT.SIG.:** Dos-Punto - Raya - Punto. – **VER.** by QSL-card or letter. – **P. FL.:** Power to 5 kW.
23) **ADDR.:** Palacio Municipal, Apartado 59, Ibarra. – **L. P.:** Dir. Fernando Dávila F. – **VER.** by QSL-card. – 24) **ADDR.:** Centro Obrero, S. Gabriel. – 25) **ADDR.:** Baños. – **L. P.:** Dir. Fray J. del Rosario P.
26) **ADDR.:** HC1RC: Av. 6 de Diciembre 352, Casilla 67, Quito. – **L. P.:** Dir. Jorge I. Guerrero. – **VER.** by QSL-card. Reports in Spanish preferred. – HC2DX: Casa Cultura Ecuatoriana, Guayaquil.
27) **ADDR.:** La Libertad. – **L. P.:** Dir. Milton Pinoargote P. – 28) **ADDR.:** Bolivar 190, Apartado 4980, Cuenca. – **L. P.:** Dir. Alberto Cardozo. – 29) **ADDR.:** Maldonado y Rocafuerte, Quito. – **L. P.:** Dir. M. Rojas. – 30) **ADDR.:** Blvd. 9 de Octubre 308, Guayaquil. – **L. P.:** Dir. G. V. Jimenez. – 31) **ADDR.:** Consejo Municipal, Azogues. – 32) **ADDR.:** Cuenca. – **L. P.:** Dir. Daniel Pinos. – 33) **ADDR.:** Riobamba. – **L. P.:** Dir. Elias Abdo. – 34) **ADDR.:** Ambato. – **L. P.:** Dir. Gabriel Tramontana. – 35) **ADDR.:** Naranjal. – **L. P.:** Dir. Padre Cuadrado. – 36) **ADDR.:** Antepara 356, Quito. – **L. P.:** Dir. Gustavo Tamayo M.
37) **ADDR.:** Av. Mariano Acosta, Ibarra. – **L. P.:** Dir. Azael Teran. – **ANN.:** "Aqui R. Equinoccial, Ibarra, Ecuador, America del Sur. – La Emisora mas popular y fuerte en el norte de la pais".
38) **ADDR.:** 10 de Agosto 79, Riobamba. – **L. P.:** Dir. Galo Encalada. – 39) **ADDR.:** Tulcan. – **L. P.:** Dir. José Betancourt P. – 40) **ADDR.:** Loja. – **L. P.:** Dir. Gonzalo Eguiguren. – 41) **ADDR.:** Ambato. – **L. P.:** Dir. Padre Rodriguez. – 42) **ADDR.:** Zaruma. – **L. P.:** Dir. Eduardo Guzman M.
43) **ADDR.:** Antena del Folklore Ecuatoriano, Calle Quito 418, Apartado Postal 240, Ambato. – **L. P.:** Dir. Gen.: C. A. Soria. – **D. PRGR.:** "Balcon Folklorico" 19.00. Ecuadorian Music.: 00.00. "Ecos del Ecuador" 23.30. – **VER.:** by letter. Postage requested.
44) **ADDR.:** Ibarra. – **L. P.:** Dir. Fernando Dávila F. – 45) **ADDR.:** Apt. 4869, Manta. – **L. P.:** Dir. E. Bowen Royero. – 46) **ADDR.:** Riobamba. – **L. P.:** Dir. Tomas Oleas Carrasco. – 47) **ADDR.:** Cuenca. – **L. P.:** Dir. Juan C. M. Salazar.
48) International Missionary Station. Owned and operated by the World Radio Missionary Fellowship Incorporated, Talcotuille, Conn. **ADDR.:** Casilla 691, Quito. **Cable:** Vozandes. – **L. P.:** Pres. of the World Radio Missionary Fellowship: Dr. Clarence W. Jones. Field Dir.: Abe C. Van der Puy. Dir. Prgr.: Joseph Springer. Asst. Station Mgr.: Gustavo Saenz. Dir. of Cultural Prgr.: R. Arias.
D. PRGR.:

Spanish*):		m.b.
10.30–14.00	D.	19, 25, 31, 49, 428
14.00–17.00	Sat., Sun.	19, 31, 49, 428
17.00–17.30	Sun.	16
17.00–17.30	Sun., Wed., Fri.	19, 31, 49, 428
17.30–19.30	exc. Mo.	16, 19, 31, 49 428
19.30–22.00	Sat., Sun.	31, 49, 428
23.30–24.00	Sun.	16, 19, 31, 49 428
00.00–02.00	exc. Tues.	19, 25, 31, 49,428
02.00–04.00	exc. Tues.	49, 428
06.00–06.30	exc. Tues.	19, 25, 31, 49 428

*) All programmes carried in Spanish on 428 m (Located in Pifo) are simultaneously carried on 349 m with a new transmitter located in Quito and operating with 500 Watts power. All programmes beamed to N. and S. America exc. 06.00–06.30 to Spain & Mexico. Cultural prgrs. are broadcast every Mo. at 23.00–Tues. 02.00 on 349 m. only

English:			m. b.
06.30–08.00	(exc. Tues) to Pa.		19, 25, 31, 49,
08.00–10.00	(exc. Tues.) to Pa.		19, 25, 31,
21.00–22.30	(exc. Mo.) to Eu.		19, 25
02.00–04.00	(exc. Tues.) to N., S.	America	19, 25, 31
04.00–05.00	(exc. Tues.) to N., S.	America	19, 25, 31, 49
French:			
20.00–20.30	(exc. Mo.) Eu.		19, 25
German:			
14.00–16.00	(Mo.)	Eu.	19, 25
19.30–20.00	(exc. Mo.)	Eu.	19, 25
23.00–23.30	(exc. Mo.)	Eu.	19, 25
05.00–05.30	(exc. Tues.)	Eu., S. Am.	19, 25, 31, 49
Portuguese:			
23.30–24.00	(exc. Sun., Mo.)	Eu., Brazil	19, 25
Russian:			
10.00–10.30	(exc. Tues.)	Pa.	19, 25, 31
11.00–12.00	(Sun.)	Eu.	19, 25
19.00–19.30	(exc. Mo.)	Eu.	19, 25
22.30–23.00	(exc. Mo.)	Eu.	19, 25
05.30–06.00	(exc. Tues.)	Eu, S. Am.	19, 25, 31, 49
Swedish:			
20.30–21.00	(exc. Mo.)	Eu.	19, 25
Ukrainian:			
17.00–17.30	(exc. Sun., Mo.)	Eu.	19, 25

ANN.: E.: "This is the Voice of the Andes, Radio Stations HCJB, transmitting from high in the Andes Mts. at Quito, Ecuador." – Sp.: "Estas son las Radiodifusoras HCJB, La Voz de los Andes transmitiendo desde Quito, Ecuador en la America del Sur". – **INT.-SIG.:**

Electronic sig. --- three short and one long stroke. – **VER.** by QSL-card or by letter or both. Return postage not required, but appreciated when it is enclosed. – **F. PL.**: We are now operating on a new 50 kW band-switching transmitter, which can be used on either 19 or 31 m.b. Another RF unit is under construction so that we can use two frequencies on the transmitter at the same time each one using 25 kW. Some time in 1957 we hope to be operating a 50 kW long wave transmitter.
49) **ADDR.**: Caldas 501, Quito. – **L. P.**: Dir. Aziz Noe Mucarzel. – 50) **ADDR.**: Esmeraldas 1912, Guayaquil. – **L. P.**: Dir. Rigoberto Ortiz. – 51) **ADDR.**: Distribuidora S. A. Francisco A. P., Guayaquil.– 52) **ADDR.**: Latacunga. – **L. P.**: Dir. Victor Hugo Muñoz.
53) **ADDR.**: Radio Emisora "Condor", Calle Boyacá No. 1211, Casilla Postal No. 1054, Guayaquil. **Cable**: "Radcondor". – **L. P.**: Dir. Gen. & Owner: C. Arditto Molina. Dir. Tec.: C. Toledo Plaza. Dir. Press and Information: M. Vinicio Bedoya. – **D. PRGR.**: N.: 17.00, 01.00. – **National Music**: 14.00, 18.00, 03.00. – **TIME-SIG.**: Every half hour. – **ANN.**: "Radio Condor HC2FB 1140 kc/s Onda larga, HC2CA 6130 kc/s Onda corta 49 mts". – **VER.** by letter.
54) **ADDR.**: Portoviejo. – **L. P.**: Dir. José Cavallero. – 55) **ADDR.**: Babahoyo. – **L. P.**: Dir. Jorge Pazos Salvador. – 56) **ADDR.**: Casilla de Correo 142, Av. Libertad 314, Esmeraldas. – **L. P.**: Dir. D. A. Tenorio. – 57) **ADDR.**: Federacion de Choferes, Casilla de Correo 261, Calle Bolivar 1807, Ambato. – **L. P.**: Dir. L. E. Villalobos Vela. – **VER.** by QSL-card. – 58) **ADDR.**: Tomas Martinez 307, P. O. Box 759, Guayaquil. – **L. P.**: Dir. P. Castillo de Levi. – **VER.** by letter. Reports in Sp. or E. – 59) **ADDR.**: Lavallen 222, Guayaquil. – **L. P.**: Dir. M. Campodonico. – 60) **ADDR.**: Cia. Industrial Fianancierа, Zaruma. – 61) **ADDR.**: Rumichaca 930, Guayaquil. – **L. P.**: Dir. V. Paladines. – **D. PRGR.**: 13.30–04.00.
Medium Waves: ADDR. & L. P.:
62) **R. Victoria**, Venezuela 1231, Quito. – **L. P.**: Dir. G. Proano. – 63) **R. Atalaya**, Milagro. – **L. P.**: Dir. V. Paladines. – 64) **R. El Triunfo**, 6 de Marco 1004, Guayaquil. – **L. P.**: Dir.: P. Chapilliquen. – **D. Prgr.**: 15.00–03.00. – 65) **R. 24 de Mayo**, Av. 24 de Mayo, Quito. – **L. P.**: Dir. E. A. Yépez. – 66) **Ondas Nacionales**, Guayaquil. – **L. P.**: Dir. G. Tamayo M. – 67) **R. Colon**, Colon 1072, Quito. – **L. P.**: Dir. C. Mantilla. – **D. Prgr.**: 17.30–03.00. – 68) **La Voz Liberral**, Guayaquil. – **L. P.**: Dir. A.M. Elinan.
69) **R. Ifesa**, P. O. Box 3885, Guayaquil. **Cable**: "Ifesa". – **L. P.**: Dir. Prgr.: Gonzalo Heredia M. Dir. Tec.: J. Magen. – **D. Prgr.**: 16.00–04.00. – **F. Pl.**: Power 1 kW.

★ FALKLAND ISLAND (Islas Malvinas) ★

Local Time: 4 h. behind GMT. – **Language**: English.
FALKLAND ISLANDS BROADCASTING SERVICE (Govt.)
The service is designed primarily for the people of the Falkland Islands, but also the Falkland Island Dependencies, many miles to the south, where there are isolated British Bases in Grahamland, the South Shetland and South Orkney Islands and several whaling stations at South Georgia.
ADDR.: The Director of Broadcasting, Stanley. **Cable**: Broadcasts. – **L. P.**: Dir.: Victor Harrison. Chief Eng.: A. Mercer.
HOME SERVICE: 585 kc/s 513 m 5 kW.
Mo.-Fri. 22.45–01.00. Sat. 21.30–02.00. Sun. 21.45–01.30.
ANN.: "This is Falkland Islands Broadcasting Station at Stanley". – **VER.** Reports from S. America will be welcomed and will be acknowledged by letter.

★ GUIANA (British) ★

Local Time: 3¾ h. behind GMT. – **Language**: English.
RADIO DEMERARA (Comm.).
ADDR.: British Guiana United Broadcasting Co., Ltd., St. Philip's Green, High Street, Georgetown. **Cable**: Broadcast. – **L. P.**: Gen. Mgr.: P. E. M. Hesketh. Dir. Prgr.: R. A. Khan. Eng.-in-Charge: E. R. McDowell:
HOME SERVICE: ZFY:
1230 kc/s 243 m 0.5 kW: D. 09.45–02.45
3255 – 92.15 – 2 – : D. 20.00–02.45
5980 – 50.17 – 2 – : D. 09.45–20.00
N. (BBC): 11.00, 13.00 (W)., 16.00, 20.00, 23.00, 00.45 (Local). – **Govt. N.**: 21.10. – **Bringing Christ to the Nations**: Sun. 21.15.
ANN.: "This is Radio Demerara, British Guiana". – **VER.** by QSL-card. – **F. PL.**: A new st. near completion 10 kW on either 660 or 720 kc/s.

★ GUIANA (French) ★

Local Time: 4 h. behind GMT. – **Language**: French.
RADIO CAYENNE (Govt.).
ADDR.: Radio Cayenne, Radiodiffusion Francaise, Prefecture de la Guyane, Cayenne.
HOME SERVICE in French:
6199 kc/s 48.39 m 0.35 kW 22.30–23.30.
ANN.: "Ici Cayenne, Radiodiffusion Francaise". – **VER.** by QSL-card.

★ PARAGUAY ★

Local Time: 4 h. behind GMT. – **Language**: Spanish.
All stations comm. exc. R. Nacional.
Short Waves:

Calll	kc/s	m	kW		
1)ZPA1	5955	50.37	3	R	Nacional 15.00–17.00, 22.30–03.00
2)ZPA8	6400	46.88	0 01	R	Ypir, Concepcion.
3)ZPA4	9735	30.82	1 2	R	Stentor 15.00–03.00.
4)ZPA3	11850	25.32	1 2	R	Teleco 11.35–18.05, 22.00–02.05.
5)ZPA5	11990	25.02	3	R.	Encarnacion 11.00–23.15.
6)ZPA7	15200	19.74		R.	Guarani 23.00–01.00.

Medium Waves:

Calll	kc/s	kW	Calll	kc/s	kW	Calll	kc/s	kW
4)ZP3	700	10	5)ZP5	920	5	9)ZP10	1300	5
3)ZP4	730	1	7)ZP9	970	1.5	10)ZP6	1330	1
6)ZP7	900	2.5	8)ZP11	1200	1	1)ZP1	1360	0.4

1)**ADDR.**: Coronel Martinez 224, Asuncion. – **VER.**: by QSL card.
3) **ADDR.**: Palma 285, 2° piso, Asuncion. – **L.P.**: Dir. & Owner: Manuel Caballero-Ferreira. Gen. Man. & Dir. of Music: K. W. Levinson. – **ANN.**: "Aqui las Emisoras de Radio Stentor con sus estaciones ZP4 y ZPA4 transmitiendo desde Asuncion del Paraguay para el pais y las Americas". – **INT.-SIG.**: Hawaii Guitar. – **VER.** by letter.
4) **ADDR.**: Teleco Paraguaya, S.A. Calle Azara 56, Asuncion. – **ANN.**: "ZP3 y ZPA3 Radio Teleco de Asuncion, Republica del Paraguay". – **VER.** by QSL-card.
5) **ADDR.**: R. Encarnacion, Encarnacion. – **Cable**: Madelaire.
L.P.: Pres. & Owner: Carlos Madelaire. Dir. of Broadcasting: Carlos Madelaire jun.
D. PRGR.: N. 12.00, 13.00, 15.30, 20.00, 22.00, 23.00, 23.55, 02.00.– Guarani (a native language): Mo., Wed., Fri.: 11.30. – **Time Sig.**: Every h. on the h. –
ANN.: "ZP5 y ZPA5, Radio Encarnacion de a Ciudad de Encarnacion en Paraguay". – **VER.** by QSL-card. Reports in Spanish or German.
6) **ADDR.**: Independencia Nacional 703, Asuncion. – **L.P.**: Dir. & Owner: Cesar M. Saccarello. – **VER.** by letter.
9) R. Paraguay, Av. Dr. Gaspar Rodriguez de Francia 123, Asuncion. – **L. P.**: Dir. G. H. Mora. Dir. Studios: M. H. Mora. Adm. G. C. Denis. Chief-Editor: M. A. Rodriguez. Dir. Tec.: P. Pereira. – **HOME SERVICE**: 10.15–03.00 in Sp., Guarani, E. – **VER.** by QSL-card. Return postage preferred. – **F. PL.**: A s.w. transmitter (ZPA10) at the end of 1956 and expansion of h. of tr.

★ PERU ★

Local Time: 5 h. behind GMT. – **Language**: Spanish.
All stations commercial exc. R. Nacional & R. Mundial (Govt.).
NATIONAL ASSOCIATION OF BROADCASTING STATIONS IN PERU
ADDR.: A cargo de "Radio Victoria", Bajos de la Cabana, Paseo de la Republica, Lima.
Short Waves: *=inactive

	Call	kc/s	m	kW	Name	h. of tr.
1)	OBX4U	3240	52.59	0.5	R. America 13.00–05.00	(Sun.06.00)
2)	OAX6X	3290	91.19		R. Continental	12.30–05.00
3)	OAX1M	3330	90.09	0.5	R. Progreso, Piura	
4)	OAX5J	3350	89.55	0.3	R. Independencia, Ica	
5)	OAX1D	3380	88.76		R. Chiclayo, Chiclayo	
6)	OAX2G	4770	62.89	0.5	R. Cajamarca, Cajamarca	
7)	OCX4B	4860	61.73	0.3	R. El Pueblo	
8)	OAX4P	5955	50.38	0.25	R. Huancayo	
9)	OBX4Q	5970	50.25	10	R. El Sol	12.00–05.00
10)	OBX4M	5980	50.17	0.5	R. Panamericana	
1)	OAX4V	5990	50.08	0.5	R. America 13.00–05.00	(Sun. 06.00)
11)	OAX4Q	6020	49.83	1	R. Victoria 12.30–05.00	(Sun. 06.00)
12)	OAX6B	6035	49.71	0.15	R. Landa	13.00–05.00
13)	OAX6A	6042	49.65	0.25	R. Arequipa	23.00–04.00
2)	OAX6E	6055	49.55	0.3	R. Continental	12.30–05.00
14)	OAX2E	6057	49.52	0.25	R. Trujillo	23.30–04.30
15)	OAX4S	6070	49.42	0.3	R. San Christobal	11.15–05.00
16)	OAX4Z	6082	49.32	40	R. Nacional del Peru	12.00–05.00
17)	OAX4H	6095	49.22	1	R. Mundial	12.30–05.00
18)	OBX4Z	6115	49.06		R. Luz, Lima	
19)	OAX7A	6128	48.96	0.1	R. Cuzco	23.00–04.00
20)	OAX1A	6150	48.78	0.25	R. Delcar	23.00–05.00
21)	OBX4G	6153	48.75	0.5	R. Excelsior	12.00–05.00
22)	OBX4B	6170	48.62		R. Corporacion, Cerro de Pasco	
23)	OAX7C	6175	48.58	0.3	R. Tahuantisuyo	
16)	OAX6F	6185	48.50		R. Nacional, Tacna	22.00–05.00
24)	OAX4P	6180	48.54	0.3	R. Miraflores	13.00–05.00
25)	OAX4G	6190	48.47	0.25	R. Lima	12.00–05.00
26)	OAX1B	6198	48.41	0.3	R. Piura	12.00–04.30
27)	OAX8E	6250	48.00		R. Loreto, Iquitos	
1)	OAX4W	9360	32.05	0.5	R. America 13.00–05.00	(Sun. 06.00)

	Call	kc/s	m	kW	Name	h. of tr.
28)	OAX6H	9505	31.56	0.5	R. Tacna	12.00–04.00
29)	OAX4J	9520	31.51	0.25	R. La Cronica	12.00–05.00
16)	OAX6L	9530	31.48	0.3	R. Nacional, Tacna	22.00–05.00
30)	OAX4K	9545	31.43	0.3	R. Central	12.30–05.00
16)	OAX4R	9562	31.37	40	R. Nacional del Peru	12.00–05.00
31)	OAX4N	9585	31.30	0.3	R. Selecta	
32)	OAX5C	9590	31.28	0.2	R. Universal	22.30–05.00
16)	OAX8C	9610	31.22	0.3	R. Nacional, Iquitos	23.00–04.00
16)	*OBX4R	11914	25.18	40	R. Nacional del Peru	
16)	*OAX4T	15150	19.80	40	R. Nacional del Peru	
9)	OBX4C	15190	19.75	1	R. El Sol	12.00–05.00
16)	*OBX4T	21600	13.90	40	R. Nacional del Peru	
9)	FM: OBS4F	90.1 mc/s			R. El Sol	12.00–05.00

Medium Waves:

	Call	kc/s	kW		Call	kc/s	kW
4)	OAX5E	730	1	24)	OAX4L	1250	1.5
33)	OBX4S	750	1	16)	OAX6D	1250	1
11)	OAX4X	780	10	38)	OAX4M	1300	1.5
34)	OAX4O	820	0.25	29)	OAX4I	1320	10
16)	OAX4A	864	20	39)	OAX5D	1340	0.3
3)	OAX1D	890	0.5	5)	OAX1E	1340	1
9)	OBX4X	900	10	21)	OAX4Y	1360	1.5
30)	OAX4E	930	0.75	2)	OAX6C	1370	0.25
10)	OAX4D	960	5	6)	OAX2D	1370	0.3
1)	OAX4U	1010	10	7)	OBX4W	1400	0.3
15)	OBX4O	1030	1.5	14)	OAX2B	1400	0.25
16)	OAX8A	1030	1	12)	OAX6J	1400	0.3
17)	OAX4F	1080	0.25	32)	OAX5B	1460	0.2
16)	OBX4A	1120	10	40)	OAX3C	1460	0.5
31)	OAX4N	1130	0.35	41)	OBX4E	1470	0.3
35)	OAX4C	1160	0.75	19)	OAX7G	1470	0.15
36)	OAX2C	1160	0.3	42)	OBX4D	1520	0.5
37)	OAX3B	1160	0.5	20)	OAX1C	1520	0.15
23)	OAX7B	1200	0.3	43)	OAX8D	1520	0.5
25)	OAX4B	1200	1	22)	OBX4N	1540	0.3

Short Waves:

1) **ADDR.:** Cia Peruana de Radiodifusion S. A., Jirón Ocoña No. 476. Lima

2) **ADDR.:** 3° Piso Teatro Municipal. Arequipa. – **L. P.:** Owner: J. Antonio Umbert F. – **ANN.:** "Emisoras de Radio Continental desde Arequipa".

7) **ADDR.:** Leonides Yerovi Duarte, Bajos ex. "La Cabana", Paseo de la Republica, Lima.

8) **ADDR.:** Av. Giraldez 368, Huancayo. – **L. P.:** Dir. Alfredo Elejalde Granados. – 9) **ADDR.:** Cia. de Producciones Radiales y Television S. A., Pasaje Velarde No. 106, Lima. – **Cable:** "Radiosol". – 10) **ADDR.:** Union 1042, Lima. – 11) **ADDR.:** Emp. Radiodif. Victoria S. A., Bajos de ex. "La Cabana", Paseo de la Republica, Lima. – 12) **ADDR.:** Sucre No. 409, Arequipa. – **L. P.:** Owner: Maximo J. Landa. – **VER.** by QSL-card. – 13) **ADDR.:** Palacio Viejo 106, Arequipa. – 14) **ADDR.:** D. de Almagro 349, Trujillo. – **L. P.:** Owner: Juan Dongo Montoya. – **VER.** by QSL-card.

15) **ADDR.:** Jiron Huallaga No. 515, Lima. **L. P.:** Owner: Juan Dongo Montoya. **ANN.:** **Spanish:** "Estas son las Emisoras de Radio San Cristobal, desde Lima, Peru". **E.:** "This is the San Cristobal Radio in Lima, Peru". **INT.-SIG.:** The first bars of "My Concerto" by Camarata. **VER.** by QSL-card.

16) **ADDR.:** Av. P. Thouars No. 441, Lima (for all stations). – **D. PRGR.:** "**La Hora Cultural Alemana**" Sat. 23.00–23.30. – **ANN.:** "Radio Nacional del Peru, la primera emisora del pais". – **VER.** by QSL-card. 17) **ADDR.:** Jiron Union 733, Lima. – 19) **ADDR.:** Sappi 601, Cuzco. – **L. P.:** Owner: Carlos Lizarraga F. – **VER.** by QSL-card. – 20) **ADDR.:** Saenz Pena 392, Chiclayo. – **L. P.:** Owner: J. Carlos Montjoy D. – 21) **ADDR.:** Camaná No. 975, Lima. – **L. P.:** Owner: Humberto Mirenglu O. – 23) **ADDR.:** Portal Comercio No. 165 Cuzco. – **L. P.:** Owner: Raul M. Espejo. – 24) **ADDR.:** Av. Larco No. 760, Miraflores. – 25) **ADDR.:** Nicolas de Pierola No. 462, Lima. – 26) **ADDR.:** Tacna 871, Piura. – 28) **ADDR.:** Amiceto Ibarra 436, Tacna. – **L. P.:** Owner: José C. Bernal. – **VER.** by letter. – 29) **ADDR.:** Emp. Editora La Crónica y Variedades, Av. Tacna No. 655, Lima. – 30) **ADDR.:** Jiron Union No. 1038, Lima. – **L. P.:** Owner: Juan P. Goicochea. – **ANN.:** "Radio Central, la emisora mas popular". – 31) **ADDR.:** Colmena Izquierda No. 214, Lima. – **L. P.:** Owner: José C. Andrade. – 32) **ADDR.:** Loreto 124/128, Ica. – **L. P.:** Owner: Raul C. Budge.

★ SURINAM (Dutch Guiana) ★

Local Time: 3½ h. behind GMT. – **Languages:** Dutch, English, Hindustani, Javanese.

ALGEMEENE VEREENIGING RADIO OMROEP (Comm.).
ADDR.: Avros – Paramaribo, Suriname, Cultuurtuinlaan, P.O. Box 720.

L. P.: Chairman of the Board: E. R. Wessels, Vice Chairman of the Board: A. L. R. Smit. Secretary: H. F. van Zuylen. Adm.: Mrs. A. Macmay-Ligtermoet. Dir. Gen.: W. H. Lionarons. Dir. Adm.: Mrs. L. Bruyne-Mers. Dir. Tec. E. Emanuels.

HOME SERVICE:
PZH5 4750 kc/s 63.16 m 0.35 kW – PZC 15405 kc/s 19.48 m 1 kW. **Dutch:** On 4750 kc/s from 09.30–11.30, 13.00–16.30. On 15405 kc/s from 19.30–01.30.
N.: 09.50, 15.15, 23.15, 01.25. – **Folk Music:** Creole Tues.: 23.30–01.15. Hindostani: Fri. 23.30–01.30. Javanese: Thurs. 01.00–01.30. – **Time Signals:** Every hour by gong C-G. – **E., Sp.:** 15405 kc/s: 01.30–02.00. – **E.:** Sun. 12.30–13.00. – **ANN.:** **Home Service: Dutch:** "U luistert naar Radio Suriname de Avros". – **E.:** "This is the AVROS-broadcasting-station in Paramaribo, capital of Suriname one of your neighbours in South America.
FOREIGN SERVICE in **Dutch, E., Sp.:** 15405 kc/s 21.30–01.30 to Caribbean. – **ANN.:** **Sp.:** "Esta es Radio Surinam, la AVROS, en Paramaribo, capital de Surinam, uno de sus vecinos en la America del Sur". – **VER.** by letter.

★ URUGUAY ★

Local Time: 3 h. behind GMT. – **Language:** Spanish.

ASOCIACION NACIONAL DE BROADCASTERS URUGUAYOS (A.N.D.E.B.U.)
ADDR.: Uruguay 1218, Montevideo. – **L.P.:** Pres.: Luis A. Artola. Secretary: Raul Beisso Corchs.
STATIONS:
Short Waves:

	Call	kc/s	m	kW	m.w.	name	h. of. tr.
1)	CX28	4910	61.10	0.1		Movil R. Imparcial	24 h.
1)	CX43b	4910	61.10	0.1		Movil R. Internac.	
2)	CXA2	6000	50.00	5	1170	R. Sur	10.00–03.00
3)	CXA30	6035	49.71	1	1130	R. Nacional	15.00–03.00
4)	CXA14	6055	49.55	5		Servicio de Informacion y Prensa	13.00–16.00
5)	CXA3	6075	49.38	2.5	730	R. Ariel	10.00–03.00
6)	CXA4	6125	48.98	10	+ *	SODRE 12.00–14.30,	00.15–03.00
7)	CXA13	6155	48.74	10	850	R. Carve14.00–18.00,	22.00–03.00
8)	CXA21	6170	48.62	1	1330	R. Fenix 14.00–16.00,	21.00–01.00
6)	CXA6	9620	31.19	20	+ *	SODRE 12.00–14.30,	00.15–03.00
9)	CXA7	11735	25.56	5	770	R. Oriental 11.00–15.00,	20.00–02.00
10)	CXA19	11835	25.35	5	810	El Espectador	10 55–03 00
6)	CXA10	11900	25.21	20	+ *	SODRE 12.00–14.30,	00.15–03.00

+) 650/1290 kc/s. *(Govt.)

Medium Waves:

	Call	kc/s	m	kW	name	h. of tr.
11)	CWI	550	546	4.5	R. Colonia 11.00–05.00	(Sat. 09.00)
12)	CX4	610	492	5	R. Rural	09.58–03.00
6)	CX6	650	462	25	*SODRE	12.00–03.00
13)	CW27	680	441	1	R. Tabaré	11.00–03.00
14)	CX8	690	435	5	R. Sarandi	10.55–03.00
5)	CX10	730	411	5	R. Ariel 10.00 03.00 (Fri.	04.00, Sat., Sun. 05.00)
9)	CX12	770	390	25	R. Oriental 11.00 (Sun	12.00–02 00 (Sat. 03.00).
10)	CX14	810	370	15	El Espectador	10.55–03.00
15)	CW23	820	366	1	R. Cultural	11.00–03.00
7)	CX16	850	355	50	R. Carve	10.30–03.00
10)	CX18	890	337	10/5	R. Libertad Sport	11.00–03.00
16)	CX20	930	323	5	R. Montecarlo	10 00–03 00
17)	CX22	970	309	1	R. Universal 10.00–03.00	(Sat. 05.00)
7)	CX24	1010	297	2.5	La Voz del Aire	11.45–03.00
6)	CX26	1050	286	5	R.M.G.A.	12.00–03.00
1)	CX28	1090	275	10	R. Imparcial 10.00–05.00	(Sat. 10.00)
18)	CW31	1120	268	2	R. Salto	11.00–02.00
3)	CX30	1130	266	5	R. Nacional	10.00–03.00
2)	CX32	1170	256	5	R. Sur	10.00–03.00
19)	CW33	1200	250	0.25	Dif. Florida	11.00–03.00
20)	CW35	1240	241	2	R. Paysandu	11.00–03.00
21)	CW36	1250	240	1	Broadc. Centenario	11.00–03.00
22)	CW37	1260	238	1	Dif. Rochense	11.00–03.00
6)	CX38	1290	233	1	*SODRE, Carmelo	12.00–03.00
23)	CW39	1320	227	0.5	La Voz de Paysandu	11.00–03.00
8)	CX40	1330	226	0.5	R. Fenix 10.00–05.00	(Sat. 06.00)
24)	CW41	1360	220	0.5	Broadc. S. José	13.00–02.00
25)	CX42	1370	219	1	R. del Pueblo 12.45(Sun.	11.30)–02.30
26)	CW45	1390	215.8	0.25	Dif. Treinta y Tres	
27)	CW46a	1400	214	10	Dif. Zorilla de S. Martin	10.30–02.00
28)	CX44	1410	213	5	R. Solis 11.00–03.00	(Sat. 05.00)
29)	CW43	1420	211.3	0.5	R. Lavalleja	11.00–03.00
3)	CX46	1450	207	1.5	R. America	11.00–03.00
30)	CW25	1430	209.9	1	R. Durazno	11.00–02.00
31)	CX50	1530	196.1	0.3	R. Andebu	10.00–03.00

Call	kc/s	m	kW	m.w. name	h. of. tr.
32) CW47	1470	204.1	0.3	R. Montevideo	11.00–03.00
1) CW43b	1480	202.7	1	R. Internacional	11.00–03.00
33) CW47A	1510	199.7	0.1	R. Welcome	11.00–03.00
34) CW51	1560	192.3	0.5	R. Maldonado	11.00–03.00
35) CW53	1580	189.9	0.5	La "Voz de Melo"	11.00–03.00

Short Waves: Addresses and Leading Personalities:
1) Av. Agraciada 1708, Montevideo. – **L.P.:** Owner, Adm. Chief-Eng.: Walfrido Figueira Moran. Dir. Adm.: Celia Figueira Giacca. Dir Prgr.; Chief Editor: Jose Joaquin Figueira. – **ANN.:** in Sp., Eng., Port. – **VER.** by QSL-card in colours. Return postage not required.
2) Comp. Urug. de Publicidad, Yi 1383, Montevideo. – **L.P.:** Luis Amoroso. – **ANN.:** "Sras y Sra tengan Uds. muy buenos dias CX32, R. Sur Uruguay y su emisora en ondas cortas CXA2".
3) O.R.O., S.A., Palacio Salvo, Montevideo. – **L.P.:** Dir. Miguel Svirsky. – **VER.** by QSL-card.
5) 18 de Julio 1460, Montevideo. – **L.P.:** Dir. Adm.: Juan U. Pierri. **ANN.:** "Difusoras Ariel, por entermedio de sus ondas CX10 en 730 kc/s y CAX3 en la banda de 49 m". – **VER.** by QSL-card.
6) Servicio Oficial de Difusion Radio Electrica (S.O.D.R.E.), Mercedes 823, Montevideo. Cable: SODRE. – **D.PRGR.:** Two prgrs. from 00.15 03.00. 1st prgr. on 650, 6125, 11900 kc/s, 2nd prgr. on 1050, 9620 kc/s. – **N.** 13.00, 15.00, 20.00, 24.00 – **ANN.:** "Servicio Oficial de Difusion Radio Electrica Montevideo con sus emisoras . . . . . ". – **INT.-SIG:** First movements of "Campo". – **VER.** by QSL-card.
7) SADREP LTDA., Mercedes 973, Montevideo. – **L.P.:** Adm.: Raul Fontaina. – **ANN.:** "SADREP. por intermedio de CX16 Radio Carve de Montevideo, inciia su transmission del dia en una onda de 353 m 850 kc/s desde sus estudios en Mercedes 973, Montevideo. – **VER.** by QSL-card.
8) Rio Branco 1366, Montevideo. – **L.P.:** Dir.: Julio J. Rabassa.
9) Olimar 1364, Montevideo. – **L.P.:** Luis A. Artola.

Medium Waves:
10) Difusoras del Uruguay S.A., 18 de Julio 1393, Montevideo. – **L.P.:** Sec. Dir.: Victor Solino. – **D.PRGR.:** N. in Spanish every hour on the hour 11.00–03.00. – **ANN.:** in Spanish, Portuguese, French & English. – **VER.** by QSL-card.
11) A Mendez 164, Colonia. – **L.P.:** Owners: Bernotti and Montellano.
12) Diario Rural S.A., 18 de Julio 1513. – **L.P.:** Dir. Benito Nardone.
13) Uruguay 678, Salto. – **L.P.:** Juan M. Gestoso.
14) Corp. de Publicidad S.A., San José 808, Montevideo. – **L.P.:** Dir.: Adm.: Raul Beisso.
15) Uruguay 637, Salto. – **L.P.:** Ramon J. Vinci.
16) 18 de Julio 1224, Montevideo. – **L.P.:** Sra. Maria T. S. de Martinez Arboleya.
17) Soriano 1217, Montevideo. – **L.P.:** Owners: Harispun Hnos.
18) Brazil 701, Salto. – **L.P.:** Owner: Salvador E. Pera.
19) Ituzaingó 355, Florida. – **L.P.:** Owner, Adm.: Uberfil H. Acuña.
20) 18 de Julio 1044, Paysandu. – **L.P.:** Owner: Alfonso M. Ordoqui.
21) Olimar 1364, Montevideo. – **L.P.:** Owner: Ricardo A. Walder.
22) Artigas y Uruguay, Rocha. – **L.P.:** Néstor San Martin.
23) 18 de Julio 614, Paysandú. – **L.P.:** Owners: Penna and Estefanell.
24) Treinta y Tres 890, San José. – **L.P.:** Dir. Adm.: Raul Sguilla Manti. – **VER.** by QSL-card. Return postage not required.
25) Mercedes Esquina T. Narvaja, Montevideo. – **L.P.:** Owner: Rodolfo Baz.
26) Zufriategui 230, Treinta y Tres. – **L.P.:** Owner: Dir. Ernesto Cucchi Dotto.
27) 18 de Julio 310, Tacuarembo. – **L.P.:** Owner: Dir. Gen.: Luis S. Dini. – Chief-Eng.: José Alvez. Chief Editor: Victor Wattimo. Chief Public Dpt.: Hugo F. Taroco. – **VER.** by QSL-card.
28) La Capital S.A., 18 de Julio 965, Montevideo. – **L.P.:** Owner: Dr. Washington Beltrán.
29) 25 de Mayo, 535, Minas. – **L.P.:** Juan R. Volante.
30) 18 de Julio 592, Durazno. – **L.P.:** Pres.: Luis A. Artola.
31) A.N.D.E.B.U. Uruguay 1218. Montevideo. – **L.P.:** Pres.: Solino.
32) Rio Branco 1366. Montevideo. – **L.P.:** Owner: Julio J. Rabassa.
33) 25 de Mayo 637. San José. – **L.P.:** Owners: Ravazzani and Perera.
34) Pte. Terra 813. Maldonado. – **L.P.:** Owner: Héctor Lamaison.
35) 25 de Mayo 537. Melo. – **L.P.:** Owner: Ruben D. Lucas.
36) España 1157. Fray Bentos. – **L.P.:** Owner: Guillermo Arizti.

★ VENEZUELA ★

Local Time: 4½ h. behind GMT. – **Language:** Spanish.
All stations commercial exc. YVKO (Govt.) and YVMI (Religious).
MINISTERIO DE COMUNICACIONES, DIRECCION DE TELECOMUNICACIONES, DIVISION INTERNACIONAL Y TECNICA, CARACAS.

Short Waves: * = inactive.

Call	kc/s	m	kW	Name	h. of tr.
1) YVQG	2360	127.1	0.25	R. Carupano, Carupano	10.30–02.30
2) YVLG	2440	122.9	1	R. Girardot, Maracay	10.30–03.30
3) YVMK	2480	121.0	5	R. Cabimas	10.30–03.30
4) YVKT	3245	92.45	1	R. Libertador	10.30–04.30
5) YVQL	3255	92.17	1	La Voz de El Tigre, El Tigre	11.30–03.00
6) YVOC	3265	91.87	1	Ecos del Torbes	10.30–03.30
7) YVMC	3275	91.60	0.7	R. Mara, Maracaibo	10.30–03.30
8) YVLE	3285	91.32	1	R. Puerto Cabello	11.30–02.30
9) YVOG	3295	91.10	1	R. Trujillo	22.00–02.30
10) YVKX	3305	90.77	2	La Voz de la Patria	10.30–03.30
11) YVLI	3315	90.50	1.2	R. Maracay, Maracay	11.30–03.30
12) YVRA	3325	90.22	1	R. Monagas	11.30–02.30
13) YVMU	3340	89.82	1	°)R. Carora	
14) YVKP	3345	89.68	2.7	R. Tropical, Caracas	10.30–03.30
15) YVLD	3355	89.41	1	R. Valencia, Valencia	10.30–03.30
16) YVMI	3375	89.20	0.5	La Voz de la Fe, Maracaibo	11.30–02.30
17) YVQI	3385	88.63	1	Emisoras Unidas	11.30–02.30
18) YVOJ	3395	88.37	1.5	R. Universidad	11.30–02.30
19) YVKY	4760	63.03	0.25	Emisora Vargas, La Guaira	10.30–03.30
20) YVMW	4770	62.89	1	Ondas del Caribe, Punto Fijo	11.30–03.30
21) YVLA	4780	62.76	1	La Voz de Carabobo	11.00–03.30
22) YVQN	4790	62.63	7.5	Ondas Porteñas	10.30–03.30
23) *)YVQC	4790	62.63	1	Ecos del Orinoco	
24) YVMF	4800	62.50	7.5	Ondas del Lago	10.30–03.30
25) YVMG	4810	62.37	2	R. Popular	10.30–03.30
26) YVRC	4820	62.24	1	Voz de Apure, S. Fernando Apure	
27) YVOB	4830	62.11	5	La Voz del Tachira	10.30–03.30
28) YVOI	4840	61.98	1.5	R. Valera	11.30–03.30
29) YVMS	4850	61.86	3	R. Universo	10.30–02.30
30) YVPA	4860	61.73	1	R. Yaracay, S. Felipe	10.30–03.30
31) YVKF	4880	61.48	12	Ondas Populares	10.30–03.30
32) YVKB	4890	61.35	10	Radiodifusora Venezuela	10.30–04.30
33) YVQE	4900	61.22	1	R. Bolivar, C. Bolivar	10.30–03.30
34) YVKR	4920	60.99	7.5	R. Caracas	10.30–04.30
35) YVMO	4940	60.73	2	Radiodif. Occidental, Barquisimeto	10.30–03.30
36) YVMM	4950	60.60	1	R. Coro	10.30–03.30
37) YVQA	4960	60.48	1	R. Sucre, Cumana	10.30–03.30
38) YVLK	4970	60.36	7.5	R. Rumbos	10.30–03.30
39) YVMQ	4990	60.12	15	R. Barquisimeto	10.30–03.30
40) YVKM	5030	59.64	7.5	R. Continente	10.30–03.50
41) YVMA	5040	59.55	0.5	Ecos del Zulia, Maracaibo	10.30–03.30
42) YVKD	5050	59.41	5	R. Cultura	10.30–03.30
43) YVKO	6170	48.62	5	R. Nacional	15.00–03.30
39) YVXJ	9510	31.55	5	R. Barquisimeto	10.30–22.30
25,53)YVMZ	9530	31.48	0,5	R. Popular, R. Calendario	10.30–23.30
27) YVOM	9570	31.55	1	Ecos del Torbes, Voz del Tachira	10.30–03.30
43) *)YVSC	9640	31.12	5	R. Nacional	

Medium Waves:

Call	kc/s	kw	Call	kc/s	kw	Call	kc/s	kw
44)	560		31) YVKG	950	5	37) YVQB	1220	1.5
40) YVKL	590	3	50) YVQQ	960		28) YVOH	1230	
43) YVKA	630	10	51) YVND	970		58)	1240	
22) YVQO	650	0.5	52) YVLR	990		59) YVQL	1240	
2) YVLH	660	1	27) YVOA	1000	10	3) YVML	1250	2
1)	670		5) YVQM	1010	0.8	35) YVMP	1280	4
21) YVLB	690	0.8	38) YVLL	1030	2	60)	1280	
25) YVMH	700	10	53) YVMX	1030	2	8) YVLF	1290	0.5
10) YVKY	710	1	54) YVLN	1060		61) YVQY	1310	
33) YVQF	720	1	19) YVKW	1070	0.5	62)	1320	
34) YVKS	750	10	55)	1070		63) YVQU	1340	
45) YVLP	770		17) YVQJ	1080	1	64)	1350	
6) YVOD	780	1	29) YVMT	1090		65) YVLO	1370	1.5
32) YVKC	790	5	42) YVKE	1100	5	66) YVQV	1380	
41) YVMB	820	1	24) YVME	1120	2	67)	1390	
46)	830		56) YVNA	1130		23) YVQD	1400	
47) YVMY	840		13)	1140°)		16) YVMJ	1400	0.6
15) YVLD	850	1	7) YVMD	1150	1	18) YVOL	1450	
4) YVKU	880	1	14) YVKQ	1160	2	20) YVMV	1460	
48) YVLN	890		57) YVLT	1190		68)	1470°)	
49) YVQZ	920		12) YVRB	1190	0.4	39) YVMR	1490	4
11) YVLJ	930	3	36) YVMN	1210	4			

°) under construction. *) inactive.

FM:

Call	mc/s	Call	mc/s	Call	mc/s		mc/s
51)	47.44	15)YVQR	96.00	60)	167.18	23)	168.40
14)	74.02	42)	100.00	10)	167.42	27)	168.4/168.9
56)YVNC	90.10	24)	101.1	46)	167.48	38)	170.18
31)	96.00	38)	161.55	32)	167.60	38)	171.67
						6)	171.67

ADDR. etc.:
3) Calle Democracia, Cabimas. – VER. by letter. – 4) Provenca Propagandistas Venezoelanos, Caracas. – D.PRGR.: N.: 23.15. – VER. by letter. – 6) Calle 9-55, Apt. 152, San Cristobal. –
8) Apt. 4, Puerto Cabello. – Cable: "Radiobello". – D.PRGR.: N.: 11.30, 12.30, 15.30, 22.25. – National Music: 13.10, 19.45, 20.30, 24.00. – Weatherrep,: 15.35. – VER. by QSL-card.
9) Calle Independencia 200, Trujillo. – 10) La Voz de la Patria, Caracas. – VER. by QSL-letter. – 12) Apt. 14, Maturin. – VER. by letter. – 13) R. Carora, Carora. – 14) D. PRGR.: F.: "La Voix de France": Tues.-Sat. 01.30–02.15, Sun. 01.30–01.40. N. 01.30. – P.: 23.00–23.30. – I.: 00.00–00.30. – VER. by QSL-card. 17) Apt. 27, Barcelona. – 18) Apt. 74, Merida. – 21) La Voz de Carabobo, Valencia. – VER. by QSL-letter. – 22) Apt. 482, Puerto la Cruz. – 23) Ecos del Orinoco, Ciudad Bolivar. – VER. by QSL-letter.
24) ONDAS DEL LAGO – ADDR.: Apt. 261, Calle 99, No. 12-44, Maracaibo. – Cable: "Lagonda." – Caracas-Office: Este 10 bis, No. 110 Urb. El Conde, Caracas. – L.P.: Pres.: Nicolas Vale Quintero (Fundador). Vicepres., Gen. Man.: Henrique Ascanio Buroz. Dir. of Prgr.: Lui Guillermo Sanchez. Chief of Coordination and Public Relation: Hugo José Machado. Adm.: Gilberto Prieto P. Traffic Man.: German Montero. Chief of Production: Wladimiro Trujillo. – D. PRGR.: National Music: D. 10.30, 14.30, 19.30, 01.30. – Time Sig.: Each h. on the h. – N.: 12.00, 17.00, 23.30, 02.30. – Weatherrep.: 16.30. – Prgr. Preview: 23.35. – Prgr. in Italian: Sun. 00.05. – VER. by QSL-card. Return postage preferred. – F. PL.: Short Waves: 50 kW. Under construction: new studios for Broadcast and TV.

Adv.

ONDAS DEL LAGO is 10 years ahead of the Venezuelan radio transmission thanks to its uptodate and powerful sender and also its wonderful antenna in the very lake of Maracaibo. ONDAS DEL LAGO which is always leading in every radio transmission, occupies its own modern radio- and television centre in the most suitable and desirable location in the new area of the city covering 4000 sq. meters and out of which the 2400 sq. meters are built and equipped with the most uptodate technical plant. ONDAS DEL LAGO covers the entire territory of the nation and the message of the advertisers reaches the most distant and also the most important markets of Venezuela. In the near future a 50 kW long wave station will be installed.

25) P.O. Box 247, Maracaibo.
27) La Voz del Tachira. ADDR.: Apt. 37, Carrera 8 Nro. 52, San Christobal. – Cable: "Voztachira". – L.P.: Owner, Gen. Mgr.: Jesus M. Diaz Gonzalez. Dir. Prgr.: Jose Mardonio Gonzalez. Dir. Information: Pedro R. Calderon. Dir. Publ. Relations: Carmen Cecilia Chacon. – D. PRGR.: On YVOA & YVOB: 10.30–03.30. On YVOM: 10.30–03.30 Mo., Wed. & Fri. – N.: 10.30, every half hour, 17.00, 22.30, 23.15, 02.00 (relay BBC). – Nat. Music: 18.00, 19.30, 23.30, 01.30. – Mailbag: 13.30, 02.15. – VER. by letter.
28) Calle Bolivar 54, Valera. – 29) Apt. 77, Barquisimeto. – ANN.: "YVMS, YVMT, Radio Universo, Barquisimeto, Venezuela, America del Sur". – VER. by letter.
31) Apartado de Correos 587, Caracas. – Cabe: "Popolondas". – D. PRGR.: N.: 11.50. – ANN.: Con su trasmisor FM en 92.00 mc/s

Adv.

Estaciones Emisoras
LA VOZ DEL TACHIRA
La primera en los Andes.

YVOA	YVOB	YVOM
1000 kc/s	4830 kc/s	9570 kc/s
10 kW	5 kW	1 kW

FM 168.40 y 168.90 Mg.
SAN CRISTOBAL – Edo. Tachira – VENEZUELA
Una potente emisora al servicio de los anunciadores – Solicite tarifas.

desde Caracas Venezuela cuna del libertador trasmite Ondas Populares YVKG 950 kc/s YVKF 4880 kc/s". – VER. by QSL-card or letter.
32) Provenca, Caracas. – D. PRGR.: N.: 10.30, 15.00, 22.30, 02.00. E.: W. 11.30–12.00. – VER. by QSL-card.
34) Apt. 2057, Caracas. – Cable: "Coraven". – L. P.: Dir. A. Espina; Adm. G. Tucker; Dir. Tec.: J. Marcano Coello; Dir. Prgr.: A. Ferrara. – D. PRGR.: N.: 12.00, 17.00, 23.30. – VER. by QSL-card or letter.
36) R. Coro, Coro. – VER. by letter. – 38) Apt. 514, Caracas. – D. PRGR.: E.: Mo., Fri., 23.00–24.00. N.: 23.45. – 39) Apt. 76, Barquisimeto. – VER.: by letter. – 40) Apartado de Correos 866, Caracas. – Cable: "Continente". – L. P.: Pres. Caleb W. White. Dir. Gen. Juan F. Rodrigues. Chief-Eng.: R. H. Axtell. – D. PRGR.: N.: 10.30, 11.30. – VER. by QSL-card.
42) R. Cultura, Caracas. – D. PRGR.: In I.: W. 01.30–02.30. – VER. by QSL-card.
43) Radiodifusora Nacional de Venezuela, Caracas. – D. PRGR.: N.: 16.45, 21.30, 23.30. – E.: Mo. 23.30–24.00 (summary of the week's Venezuelan news), Fri. 01.00. – Fr.: Fri. 03.15 ("La semaine a Venezuela"). – VER. by QSL-card.
53) R. Calendario. Calle 96, antes Transite No. 16–127, P.O. Box 789, Maracaibo. Cable: "Calendario". – L.P.: Pres.: M. F. de Rosales. Dir. Gen.: A. F. Molina. Mgr.: L. A. Gonzales. Dir. Prgr.: I. Higuera M. Dir. Adm.: R. Alfonso .Dir. Tec.: H. Floridog – D. PRGR.: On 9530 kc/s (a common frequency for stations in the Eastern region): 10.30–23.30.
65) "Radiodifusora La Pascua", Calle Real No. 17, Valle de la Pascua. – L. P.: Dir. & Owner: José Rafael Negrón. Dir. Tec.: Carlos Poleo. Secretary: D. Belisurio. – D. PRGR.: 10.30–03.30.

STANDARD FREQUENCY STATIONS

Local Time: WWV 5 h. WWVH 10 h. behind GMT. – Language: English.

RADIO STATION WWV AND WWVH (Govt.).

ADDR.: National Bureau of Standards, Boulder Laboratories 14.20. Boulder, Colorado, USA – WWV: Box 182, Route 2, Lanham, Maryland. – WWVH: Box 901, Puunene, Maui, T. H. – L. P.: Chief Radio Broadc. Sce.: Alvin H. Morgan. Chief-Eng. WWV: Fr. Sera. Chief-Eng. WWVH: S. Katahara.
STATIONS:
WWV: 2500 kc/s 120 m 1 kW – 5000 kc/s 60 m 8 kW – 10000 kc/s 30 m 9 kW – 15000 kc/s 20 m 9 kW – 20000 kc/s 15 m 1 kW – 25000 kc/s 12 m 0.1 kW. WWVH: 5000 kc/s 60 m 2 kW – 10000 kc/s 30 m 2 kW – 15000 kc/s 20 m 2 kW. WWV and WWVH broadcast continuously night and day standard radio frequencies, standard audio frequencies, standard time intervals, time signals and radio propagation disturbance warnings. WWVH is interrupted 4 minutes after each hour and half hour and 34 minutes beginning at 19.00 UT each day.
ANN.: "National Bureau of Standards, WWV, when the tone returns Eastern Standard time is....AM or ...PM". – VER.: Listeners reports answered by QSL-card or letter or both as requested.

NATIONAL PHYSICAL LABORATORY (Govt.).

ADDR.: Teddington Middlesex, Gt. Britain.
MSF STANDARD FREQUENCY SERVICE:

60 kc/s	5000 m	10 kW	14.29–15.30
2500 –	120 –	0.5 –	continuous *)
5000 –	60 –	0.5 –	– *)
10000 –	30 –	0.5 –	– *)

*) exc. for break in transmission from 15–20 minutes past each hour.
ANN.: Call sign three times in slow Morse. "This is MSF, Rugby England, transmitting carrier and modulation frequencies within 2 parts in 108 of nominal on 2500, 5000 and 10000 kc/s". – VER. by letter.

INTERNATIONAL TIME SIGNAL

The international time signals of the Royal Greenwich Observatory are radiated as follows: 10.00: 16, 10332, 17685 kc/s. 18.00: 16,10332, 17685 kc/s.

TIME SIGNALS FROM DOMINION OBSERVATORY, CANADA

ADDR.: Dominion Observatory, Ottawa, Ontario. – L. P.: W. S. Clenahan, Chief of the division of positional astronomy. – STATIONS: CHU 3330 kc/s 90.09 m 0.3 kW – 7335 kc/s 40.90 m 3 kW – 14670 kc/s 20.45 m 0.3 kW. – ANN.: Each minute: "Dominion Observatory Canada, Eastern Standard Time--- hours ---- minutes". – VER. by QSL-card.

STATION JJY

ADDR.: Radio Research Laboratories, Koganeimachi, Kitamana, Tokyo, Japan.
Standard Frequencies and Time Signals: [1]) 00.00–24.00. [2]) 21.00–11.00.

2500 kc/s	1 kW	Mo.	[1])	8000 kc/s	2 –	D.	[2])
4000 –	2 –	D.	[2])	10000 –	1 –	Fri.	[1])
5000 –	1 –	Wed.	[1])	15000 –	1 –	D.	[2])

*) continously exc. 29–39 minutes of the hour.

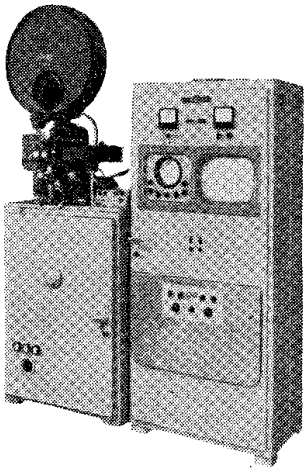
STATION LOL

ADDR.: Central Comunicacion del Ministerio de Marino Darsena Sur, Buenos Aires, Argentina.
Standard Frequencies and Time Signals:

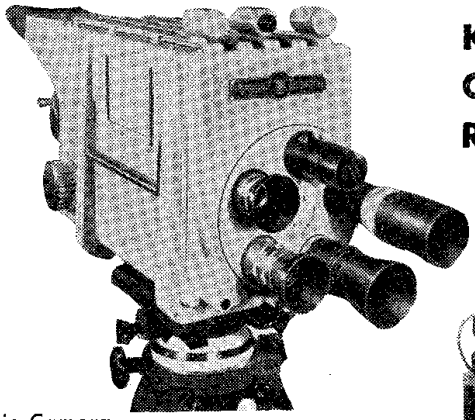
2500 kc/s	2 kW	10000 kc/s	2 kW	20000 kc/s	2 kW
5000 –	2 –	15000 –	2 –	25000 –	2 –

D. on all frequencies: 11.00–12.00, 14.00–15.00, 17.00–18.00, 20.00–21.00, 23.00–24.00.

TV STUDIO EQUIPMENT

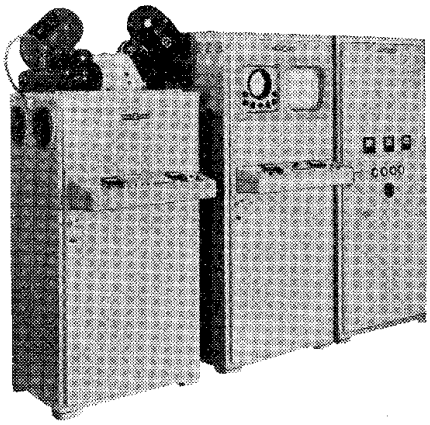


Flying spot film scanner

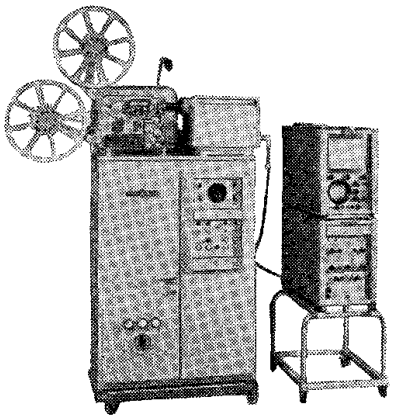


Studio-Camera

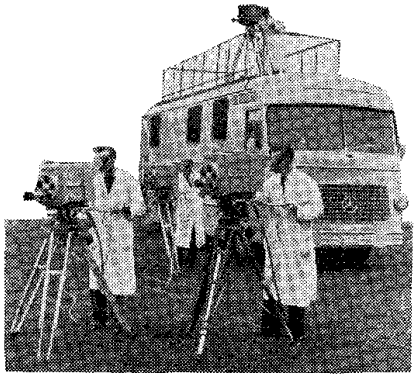
KNOWN FOR QUALITY AND RELIABILITY



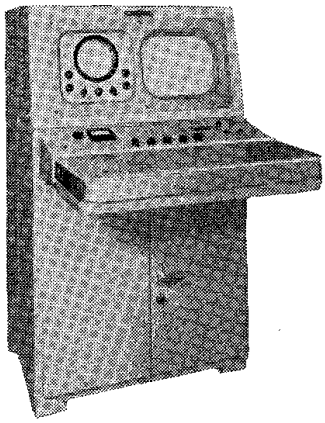
16 mm Kine Recorder



Vidicon film scanner



OB-Van



Picture and wave form Monitor

In TV-studios throughout the world

Berlin	Hamburg	New Delhi
Bern	Helsinki	Oslo
Bremen	Lisbon	Rome
Brussels	Luxemburg	Sydney
Bussum	Madrid	Stockholm
Cologne	Melbourne	Stuttgart
Copenhagen	Milan	Turin
Frankfort	Munich	Vienna

27 years of experience in development and design

write for detailed information

FERNSEH GMBH DARMSTADT

GERMANY

Fernseh GMBH Darmstadt

WORLD TELEVISION

The principal television systems:
Definition refers to the broadcast standard which is normally stated in terms of the number of lines which make up the image. Reference in the following surveys is made throughout merely to 405 lines, 525 lines, 625 lines (CCIR*), 625 lines (Sovjet**) and 819 lines respectively.
Details of these five definitions are given in the following table:

	Systems			
Number of lines per picture	405	525	625*)	819
Video bandwidth (Mc/s)	3	4	5	10.4
Channel width (Mc/s)	5	6	7	14
Sound carrier relative to vision carrier (Mc/s)	—3.5	+4.5	+5.5	—11.15
Sound carrier relative to edge of channel (Mc/s)	0.25	—0.25	—0.25	+0.10
Interlace	2/1	2/1	2/1	2/1
Line frequency (c/s)	10,125	15,750	15,625	20.475
Field frequency (c/s)	50	60	50	50
Picture frequency (c/s)	25	30	25	25
Sense of vision modulation	Positive	Negative	Negative	Positive
Level of black as percentage of peak carrier	30	75	75	25
Sound modulation	AM	FM	FM	AM

*) The International Radio Consultative Committee.
**) The characteristics are the same as 625 lines CCIR exc. for a difference in bandwidth: video bandwidth 6 Mc/s, channelwidth 8 Mc/s, sound carrier relative to vision carrier +6.5 Mc/s.

THE SPREAD OF TELEVISION

TV receivers in use throughout the world has passed 50.000.000.
1) Number of TV stations. – 2) Number of TV receivers. – 3) Definition.

	1)	2)	3)		1)	2)	3)
Alaska	5	14.000	525	Iraq	1	1.000	625
Argentina	1	75.000	625	Italy	25	309.891	625
Austria	4	3.146	625	Japan	8	244.862	625
Belgium	4	60.000	815 /625	Korea	1	600	625
				Luxembourg	1	1.050	819
				Mexico	9	200.000	525
Brazil	5	200.000	525	Monaco	1	6.000	819
Bulgaria	1	500	625	Morocco		4.000	819
Canada	35	2.200.000	525	Norway	1	500	625
Colombia	3	30.000	525	Panama (Canal Z.)	1		525
Cuba	14	200.000	525	Philippines	1	9.000	525
Czechoslov.	2	56.792	625	Poland	2	2.000	625
Denmark	3	33.974	625	Puerto Rico	3	80.000	525
Dominic. R.	1	7.000	525	Rumania	1	1.000	625
Eire		2.000	625	Saar	2	6.000	625
El Salvador	1	7.000	525	Spain	1	2.000	625
France	8	382.435	815	Sweden	2	10.000	625
Germany Fed. R.	31	538.899	625	Switzerland	4	16.664	625
Dem. R.	8	60.000	625	Thailand	1	5.000	625
Gt. Britain	17	6.139.773	405	Turkey	1	2.000	625
Guatemala	1	10.000	525	Uruguay	2	10.000	525
Guam	1	1.000	525	USA	489	38.500.000	525
Hawaii	6	200.000	525	USSR	14	1.300.000	625
Holland	2	75.000	625	Venezuela	5	100.000	625
Hungary	1	4.000	625	Yugoslavia	2	4.000	625

TELEVISION CHANNELS

A: American system:
Sound: Frequency mod.
Vision: Negative mod.
Number of lines: 525
Frame frequency: 30 Mc/s.
Channel width: 6 Mc/s.

Channel No.	Vision carrier Mc/s	Sound carrier Mc/s
A-2	55.25	59.75
A-3	61.25	65.75
A-4	67.25	71.75
A-5	77.25	81.75
A-6	83.25	87.75
A-7	175.25	177.75
A-8	181.25	185.75
A-9	187.25	191.75
A-10	193.25	197.75
A-11	199.25	203.75
A-12	205.25	209.75
A-13	211.25	215.75
A-14	471.25	475.75
A-15	477.25	481.75
A-16	483.25	487.75
A-17	489.25	493.75
A-18	495.25	499.75
A-19	501.25	505.75
A-20	507.25	511.75
A-21	513.25	517.75
A-22	519.25	523.75
A-23	525.25	529.75
A-24	531.25	535.75
A-25	537.25	541.75
A-26	543.25	547.75
A-27	549.25	553.75
A-28	555.25	559.75
A-29	561.25	565.75
A-30	567.25	571.75
A-31	573.25	577.75
A-32	579.25	583.75
A-33	585.25	589.71
A-34	591.25	595.75
A-35	597.25	601.75
A-36	603.25	607.75
A-37	609.25	613.75
A-38	615.25	619.75
A-39	621.25	625.75
A-40	627.25	631.75
A-41	633.25	637.75
A-42	639.25	643.75
A-43	645.25	649.75
A-44	651.25	655.75
A-45	657.25	661.75
A-46	663.25	667.75
A-47	669.25	673.75
A-48	675.25	679.75
A-49	681.25	685.75
A-50	687.25	691.75
A-51	693.25	697.75
A-52	699.25	703.75
A-53	705.25	709.75
A-54	711.25	715.75
A-55	717.25	721.75
A-56	723.25	727.75
A-57	729.25	733.75
A-53	735.25	739.75
A-59	741.25	745.75
A-60	747.25	751.75
A-61	753.25	757.75
A-62	759.25	763.75
A-63	765.25	769.75
A-64	771.25	775.75
A-65	777.25	781.75
A-66	783.25	787.75
A-67	789.25	793.75
A-68	795.25	799.75
A-69	801.25	805.75
A-70	807.25	811.75
A-71	813.25	817.75
A-72	819.25	823.75
A-73	825.25	829.75
A-74	831.25	835.75
A-75	837.25	841.75
A-76	843.25	847.75
A-77	849.25	853.75
A-78	855.25	859.75
A-79	861.25	865.75
A-80	867.25	871.75
A-81	873.25	877.75
A-82	879.25	883.75
A-83	885.25	889.75

B: British standards:
Sound: Amplitude mod.
Vision: Positive mod.
Number of lines: 405.
Frame frequency: 25 c/s.
Ch. width: 5 Mc (Ch. 1 7 Mc).

B-1	45.00	41.50
B-2	51.75	48.25
B-3	56.75	53.25
B-4	61.75	58.25
B-5	66.75	63.25
B-6	179.75	176.25
B-7	184.75	181.25
B-8	189.75	186.25
B-9	194.75	191.25
B-10	197.75	196.25
B-11	204.75	201.25
B-12	209.75	206.25
B-13	214.75	211.25

E: European system:
Sound: Frequency mod.
Vision: Negative mod.
Number of lines: 625.
Frame frequency: 25 c/s.
Channel width: 7 Mc/s
(ch. 1 only 6 Mc/s).

E-1	41.25	46.75
E-1A	42.25	46.75
E-2	48.25	53.75
E-2A	49.75	55.75
E-3	55.25	60.75
E-4	62.25	67.75
E-4A	82.25	87.75
E-5	175.25	180.75
E-6	182.25	187.25
E-7	189.25	194.75
E-7A	192.25	197.75
E-8	196.25	201.75
E-8A	201.25	206.75
E-9	203.25	208.75
E-10	210.25	215.75
E-11	217.25	222.75

F: French standards:
Sound: Amplitude mod.
Vision: Positive mod.
N. of lines: 819 (ch. Fl: 441)
Frame frequency: 25 c/s.
Channel width: 13, 15 Mc/s
(ch. 1: 7.6 Mc, ch. 8: 14 Mc).

F-1	46.00	42.00
F-2	52.40	41.25
F-3	56.15	67.75
F-4	65.55	54.40
F-5	164.00	175.15
F-6	173.40	162.25
F-7	177.15	188.30
F-8	185.25	174.10
F-8A	186.55	175.40
F-9	190.30	201.45
F-10	199.70	188.55
F-11	203.45	214.60
F-12	212.85	201.70

J: Japanese system:
Sound: frequency mod.
Vision: Negative mod.
Number of lines: 525.
Frame frequency: 30 c/s.
Channel width: 6 Mc/s

J-1	91.25	95.75
J-2	97.25	101.75
J-3	103.25	107.75
J-4	171.25	175.75
J-5	177.25	181.75
J-6	183.25	187.75

R: Russian system:
Sound: Frequency mod.
Vision: Frequency mod.
Number of lines: 625.
Frame frequency: 25 c/s.
Channel width: 8 Mc/s.

R-I	41.75	48.25
R-II	49.75	56.25
R-III	59.25	65.75
R-IV	77.25	83.75
R-1	145.25	151.75
R-2	153.25	159.75
R-3	161.25	167.75
R-4	169.25	175.75
R-5	177.25	183.75
R-6	185.25	191.75
R-7	193.25	199.75
R-8	201.25	207.75
R-9	209.25	215.75

The following pages give you the data of the different TV stations of the world. The channel is indicated by a letter followed by a figure. The letter indicates the technical data of the systems which are in use (A: American, B: British etc.) and the figure is the channel number. The powers for vision and sound are indicated by a fraction, the numerator indicating the number of kW (ERP) for vision and the denminator for sound, for example 6/1.5 means vision. 6 kW ERP and sound 1.5 kW ERP...

Recommend the World Radio Handbock to your friends and connections.

★ EUROPE ★

AUSTRIA

OSTERREICHISCHER RUNDFUNK (Govt.).

ADDR.: Singrienergasse 21, Wien XII. – L. P.: Prgr.: Planning-Group: Gerhard Freund. Production: Prof. Franz Gregora. Tec.: Dr. Josef Lothaller. Adm.: Stefan Markus.

	ch.	kW		ch.	kW
Kahlenberg	5	60/12	Schöckl	7	60/12
Linz	6	3/0,6	Gaisberg	8	60/12

Prgr.: D.: 19.00–21.00. – Projected St.: 1957, 60/12 kW: Pfänder ch E. 5. – Patscherkofel ch. E. 4. – Jauerling ch. E. 2. – Klagenfurt ch. E. 10.

BELGIUM

INSTITUT NATIONAL BELGE DE TELEVISION (Govt.).

ADDR.: 31, rue Dautzenberg, Bruxelles. – L. P.: Dir. French T.V.: Ph. Kammans. Dir. Flemish T.V.: B. V. Leysen.

FRENCH PRGR. Def. 819			FLEMISH PRGR. Def. 625		
Stations	ch.	kW	Stations	ch.	kW
Liége (Bol d'Air)	3	6/1.5[3])	Antwerp	2	6/1.5[2])
Liége	3	100/25[1])	Tielt	2	100/25 [1])
Braine-le-Comte	8	100/25 [1])	Bruxelles	10	2/0.5[3])
Bruxelles	8	2/0.5	Mechelen	10	100/25 [1])
Neufchateau	11	25/6[1])			

[1]) Autumn 1956. [2]) Serves also as a relay point for the transmission of programmes between Bruxelles and Breda in Holland. [3]) Serves also as a relay point for the transmission of programmes between Bruxelles and Rötgen (Germany).

Daily Prgr.: French D. 18.00–22.00 (exc. Fri.). Sun. also 14.00–16.30 and Thurs. 16.00–17.00.

Daily Prgr.: Flemish D. 18.00–22.00 (exc. Mo.). Sun. also 13.30–15.00 and Sat. 16.00–17.00.

BULGARIA: Exp. transmissions.

CZECHOSLOVAKIA

CESKOSLOVENSKY ROZHLAS (Govt.)

ADDR.: Televisni studio Praha, Praha 2, Vladislavova 20. Cable: "Radiopraha". – L. P.: Dir. TV-Studio: Karel Kohout. Dir. Tec.: Jan. Janota Dir. Prgr.: Vladimir Kovarik. Adm. Dr.: Miroslav Ráz.

STATIONS: Praha TV RII 5/3 kW. – Ostrava-TV RII 12/5 kWd.

D. PRGR.: Praha: 6 evening prgrs.: 18.30 (wi. 18.00). – approx. 21.00. On Sat., Sun.: Sports and other events. Childrens hour before evening prgr. on Tues., Thurs. – Ostrava: Prgrs. four times a week; the average length $2^1/^4$ h.

Projected Stations:

Bratislava-TV ch. RIII 12/5 kW (1956). – TV-East Bohemia ch. R 5 10/4 kW (1958). – TV-Central Slovakia ch. R 5 10/4 kW (1959). – TV-S. Bohemia R III 10/4 kW (1960). – TV-East Slovakia ch. R 5 10/4 kW (1960). – TV-W. Bohemia ch. R 9 10/4 kW (1960). – TV-Central Moravia ch. R 8 10/4 kW (1958). – TV-North Bohemia ch. R 7 10/4 kW

DENMARK

STATE BROADCAST (Govt.)

ADDR.: Television Dept., Danish State Radio, Radiohuset, Rosenørnsallé, Copenhagen. – L. P.: Dir. Prgr.: J. Fr. Lawaetz.

Stations	ch.	kW	Stations	ch.	kW
Copenhagen	4	10/3	Naestved	6	60/20[1])
Fyn	3	10/3	W. Jutland	10	60/20[1])
Aalborg	5	10/3[1])	Sønderjylland	7	60/20[2])
Aarhus	8	10/3			

[1]) 1958. [2]) approx. April 1957.

D.PRGR.: 19.00–20.00. Childrens Hour: Mo.-Tues. 14.30–15.00. Thurs. Fri. 16.00–16.30.

FRANCE

RADIODIFFUSION-TELEVISION FRANCAISE (Govt.).

ADDR.: 107, rue de Grenelle, Paris 7e. – L. P.: Dir. Gen.: Wladimir Porche. Dir. Prgr.: M. Jean d'Arcy. Dir. Foreign Relations: Michel Robida. Dir. Tec.: M. Stephane Mallein. See Sound Broadcasting.

Stations:	ch.	kW	Stations:	ch.	kW
Bourges-Neuvy	F9	200/50[1])	Metz-Luttange	F6	50/12[1])
Caen, Mt. Pincon	F2	80/20[1])	Mt. Pilat	F12	200/50[1])
Cannes, Pic-de-L'ours	F6	10/2.5[2])	Mulhouse	F8	200/50[1])
Dijon, Mt. Afrique	F10	1/025[2])	Nancy	F7	1/1.25
Grenoble	F10	1/0.25[1])	Paris	F8A	80/20[1])
Lille	F8	200/50[1])	Reims	F5	1/0.25[2])
Lyon, Fourvière	F5	2/0.5[1])	Strasbourg	F7	20/5 [1])
Marseille	F8	200/50[1])	Toulon Cap Sicie	F11	10/2.5[1])

UNDER CONSTRUCTION:

	ch.	mc/s		ch.	mc/s
Saint Etienne	F8A	* (1956)[1])	Nantes	F8A	300/75 (1957)[2])
Rouen	F10	50/12 (1956)[1])	Rennes	F4	200/50 (1957)[1])
Cherbourg	F12	5/1.25(1957)[1])	Limoges	F7	50/12 (1957)[1])
Dijon	F10	5/1.25(1957)[2])	Reims	F5	50/12 (1957)[1])
Bordeaux	F10	50/12 (1957)[1])	Amiens	F11	30/7.5(1957)[2])
Besançon	F11	30/7.5(1957)[1])	Clermont	F6	200/50 (1957)[2])
Le Havre	F5	1/0.25(1957)[1])	Toulouse	F10	* (1957)[1])

*) Satellite, low power. [1]) horizontal polarisation. [2]) vertical polarisation.

D. Prgr. from Paris: Sun. 09.00–12.00, 14.00–21.50. W. 11.45–approx. 12.35, 13.00–13.30 (exc. Thurs. 16.00–18.10, Sat. 15.30–17.30), 18.30–22.00 (Sat. 22.50).

Radio relay links between: Paris–Lille, Paris–Strasbourg, Paris–Lyon–Marseille, Metz–Luxembourg, Dabo–Hornisgrinde (Germany), Lille–Cassel–Dover.

GERMANY

GERMAN FEDERAL REPUBLIC

Television hass been developed by the various radio organizations (Rundfunkanstalten) and especially the Nord- and Westdeutscher Rundfunk. – A common prgr. is being broadcast throughout Germany under the title "Deutsches Fernsehen". Each of the organizations participates in the production of this prgr. In addition a number of regional broadcasts are transmitted by each of the broadcasting organizations. Relay Facilities for the German television network are constructed by the German postal authorities: The network consist of 50 relay stations (Dezimeter, directional); the main-connections are: Hamburg – Köln – Feldberg Taunus – Frankfurt – Stuttgart – Baden-Baden – München. Seven broadcasting organizations have 22 transmitters and ten frequency-changers (low power transmitters without Dezimeter-connection with the German network). Five border-stations are used for foreign program-exchange.

Community television prgr. daily approx:. W. 15.30–16.30, 19.00–21.00. Sun. additionally 11.00–11.30 and longer afternoon-programmes in case of sport-events. Testtransmissions approx.: 09.00–18.45 (each station has different times).

ADDR.: Fernseh-Kommission der Arbeitsgemeinschaft der Westdeutschen Rundfunkanstalten, Hessischer Rundfunk, Frankfurt am Main.

BAYERISCHER RUNDFUNK (Anstalt des öffentlichen Rechts).

ADDR.: Fernsehdirektion, Rundfunkplatz, München. – L. P.: See Germany. Dir. Television: Dr. Clemens Münster. Chief-Editor: Robert Lembke. Chief-Studios: Heinrich Fischer. Dir. Produktion: Kurt Hinzmann, Chief. Production: Willy Reiber. –

Stations: Wendelstein: ch. E10, 100/20 kW. – Dillberg ch. E6 100/20 kW. – Exp. St.: Kreuzberg ch. 3 100/20 kW. – Ochsenkopf ch. 5 1/0.2 kW. – Würzburg ch. 10 0.1/0.02 kW. – Projected Stations: Grünten/Allgäu 100/20 kW (end of 1956). – Brotjacklriegel 100/20 kW. –

Test transmissions: 09.00–10.00, Mo.-Fri. 13.30–15.00.

NORD- AND WESTDEUTSCHER RUNDFUNK-VERBAND (NWRV)

"Gemeinnützige Körperschaft des öffentlichen Rechts" (a corporation for public benefit).

Members: Der Norddeutsche Rundfunk, Hamburg and Der Westdeutsche Rundfunk, Köln. NWRV is committed to produce 46% of the German Common Televisionprogrammes.

ADDR.:NWRV-Fernsehen, Gazellenkamp 57, Hamburg-Lokstedt 1, Cable: Fernsehen, Hamburg. – Studio Köln: Köln a/Rhein, An der Rechtsschule. Cable: Fernsehen, Köln. – L. P.: Dir. Gen. Fernsehen: Dr. Werner Pleister. Dir. Prgr.: Heinz von Plato. Dir. Adm.: Hans-Joachim Hessling. Dir. Tec.: Dr. Walter Schwarz. Chief of Press and Information: Klaus Mahlo. Dir. "Tagesschau": Martin S. Svoboda.

Stations	ch.	kW	Stations	ch.	kW
Bremen/Oldenburg	E2	100/20	Kiel	E11	5/1
Bonn	E5	0.24/0.05	Köln	E11	5/1
Hamburg	E9	92/18	Langenberg	E9	92/18
Hannover	E8	4.3/0.9	Teutoburger Wald	E11	100/20
Harz	E10	100/20			

D. Prgr.: W. 15.30–16.30, 19.00–21.00. Sun.: 11.00–11.30, 19.00–21.00 (in the afternoon sportrep.).

Projected Station: Flensburg ch. 4E, 50/10 kW. d. in the direction Flensburg-Copenhagen. January 1958.

RADIO BREMEN (Anstalt des öffentlichen Rechts).

ADDR.: Heinrich Hertzstrasse 13. Cable: "Radio". – L.P.: Dir. R. Dumont du Voitel.

Station: Bremen ch. E3, 0.1/0.04 kW. Relay Hamburg.

HESSISCHER RUNDFUNK (Anstalt des öffentlichen Rechts).

ADDR.: Bertramstrasse 8, Frankfurt am Main. – STATIONS: Feldberg ch. E8, 100/20 kW. – Meissner ch. E7, 100/20 kW. – Biedenkopf ch. 5, 0.75/0.15 kW frequency changer. – Test transmissions approx.: W. 14.00–16.20. Regional transmissions: Sat. 19.00–19.30 (from Rhein, Main and Neckar); Mo.: 19.00–19.30 ("Der Sport im Südwesten").

SENDER FREIES BERLIN

ADDR.: Fernsehen, Reichskanzlerplatz, Berlin-Charlottenburg 9. L.P.: Dir. TV.: Heinz Rieck.

STATION: ch. 7, 1/0.25 kW Test transmissions: approx. W. 14.30–15.15, 16.30–17.30.

SÜDDEUTSCHER RUNDFUNK (Anstalt des öffentlichen Rechts)
ADDR.: Abt. Fernsehen, Neckarstrasse 145, Stuttgart. Cable: "Rundfunk". **L.P.:** Dir. TV.: Dr. Helmuth Jedele. Dir. Tec.: Dr. Rolf Eberhardt. Adm.: Dr. Alfred Hauss.
STATIONS: Stuttgart ch. E11, 100/20 kW – Aalen ch. E8, 0.4/0.08 kW. d. **Regional Prgr.:** 18.00–18.30. **Projected Stations:** (low power): Pforzheim, Heilbronn, Geislingen, Waldenburg, Ulm, Heidelberg.

SÜDWESTFUNK
ADDR.: Abt. Fernsehen, Hans Bredowstr., Baden-Baden. Cable: SWF-Fernsehen.
L.P.: Dir. Television: Dr. K. P. Biltz. Adm. & Vice Dir.: W. H. Hetzer. Chief Plays: Dr. E. Laurenze. Studio Mgrs.: Dr. K. P. Biltz, P. A. Horn, P. Beauvais. Chief. Eng.: F. M. Zaekel. Dir. Entertainment: K. Überall.

Stations	ch.	kW	Stations	ch.	kW
Baden-Baden	7	0.04/0.008*)d.	Raichberg	4	10/2
Freiburg	7	0.005/0.001*)d.	Trier	6	0.04/0.008*)d.
Hornisgrinde	9	2/0.3 d.	Weinbiet	10	1/0.2 d.[1]
Kaiserslautern	7	0.04/0.008*)d.	Zweibrücken	7	0.005/0.001*)d.
Koblenz	6	3/0.6	Feldberg	8	10/2

W.: 09.00–10.00, 13.00–14.30, 16.30–17.00. – *) frequency-changer.

GERMAN DEMOCRATIC REPUBLIC

STAATLICHES RUNDFUNK-KOMITEE (Govt.).
ADDR.: Deutscher Fernsehfunk, Berlin-Adlershof, Rudower Chaussee 116, Berlin. Cable: "Fernsehfunk". – **L.P.:** Dir.: Heinz Adameck. Deputy Dir.s: Willi Zahlbaum, Dr. Heinz Liebeskind.
STATIONS: Berlin-Stadtmitte R9 – Leipzig RIII – Brocken R4 – Berlin-Grünau R1 – Dresden R1 – Inselsberg R6 – Karl-Marx-Stadt R8 – Marlow R7.
D.PRGR.: W.: 15.00–16.00 (Sat. 16.00–17.30), 18.45–21.00 (exc. Mo.), Sun.: 09.00–10.00, 13.00–17.00, 19.00–21.30. Test transmissions: W.: 11.00–12.00, 12.00–15.00, 16.00–18.45 approx., exc. Fri., Sat. 17.30–18.45.

GREAT BRITAIN

BRITISH BROADCASTING CORPORATION (Govt.)
The BBC operates under a Royal Charter and under license and agreement with Her Majesty's Postmaster General.

ADDR.: The British Broadcasting Corporation, Broadcasting House, London W1. Cable: "Broadcasts; London Telex".
L.P.: Dir. Gen. TV..: Sir Ian Jacob, K.B.E., C.B. Dir. T.V.: Sir George Barnes – Dir. Engineering: Sir Harold Bishop, C.B.E.

Stations	ch.	kW	Stations	ch.	kW
Divis	B1	12/3[2])	Sutton Coldfield	B4	100/25[1])
Holme Moss	B2	100/25[1])	Channel Island	B4	1/0.25[2])
Truleigh Hill [6])	B2	low. power	Meldrum	B4	17/4[2])
Kirk o'Shotts	B3	100/25[1])	Wenvoe	B5	100/25[1])
Norwich	B3	10/2.5 d.[2])	Pontop Pike	B5	12/3 d.[2])
Crystal Palace[4])	B1	200/50[4])	Blaen Plwy[2]) (W. Wales)	B3	1/0.25[5])
Londonderry area[2]) (N. Ireland)	B2	1/0.25[3])	Douglas (temp.)	B5	1/0.25
North Hessary Tor[2] (permanent)	B2	15/4 d.	Isle of Man permanent	B5	1/0.25[5])
Rosemarkie[2]) (N.E. Scotland)	B2	1/0.25[3])	Sandale (temp.) (permanent)	B4	1[2])/d.
Rowridge Isle of Wight.	B3	32/7.5 d.[1])		B4	16[2])[3])

[1]) vertical aerial [2]) horizontal aerial. [3]) 1957. [4]) 200 kW late 1957; at present 120 kW. [5]) 1958. [6]) temporary

D. PRGR.: All stations: Trade Test transmissions Mo.-Sat. 11.00–13.00. – Prgr. Hours.: W. 15.00 (Sat. 14.30)–18.00, 19.00–22.45 or 23.00. Sun.: 14.00–18.00, 19.30–22.45 or 23.00.

INDEPENDENT TELEVISION (I.T.A.) (Comm.).
Independent Television Authority (An authority established by the Television Act, 1954, to: 1) select independent contractors to provide programmes and enter into contracts with them, 2) plan, provide and operate the transmitters, 3) supervise, in accordance with the Television Act, the programmes provided by the contractors and 4) provide, or arrange for the provision of programmes in exepctional circumstances.
ADDR.: 14 Princes Gate, London S.W.7. – **PRGR. CONTRACTORS:** Associated-Rediffusion Ltd., Television House Kingsway, London W.C.2. – Associated Television Ltd. Television House, Kingsway, London W.C.2. – Associated British Cinemas (Television) Ltd., 142 Wardour Str., London W.1. – Granada T.V. Network Ltd., 36 Golden Square, London W.1. – Scottish Television Ltd., North Bridge, Edinburgh. – **L.P.:** Chairman: Sir Kenneth Clark K.C.B. – Dir. Gen.: Sir Robert Fraser O.B.E. – Chief Eng.: P.A.T. Bevan, B.Sc, M.I.R.E.
STATIONS IN OPERATION: London area (Croydon st.) ch. B9 120/30 kW[1]); Midlands area (Lichfield st.) ch. B8 100/25 kW [2]); N. (W) area (Winter Hill, Lancashire st.), ch. 9 100/25 kW.; N. (E.) area (Emley Moore Yorks st.), ch. B10 200/50 kW d. – **Projected Stations:** 1957: Central Scotland (Black Hill, Lanarkshire st.); S. Wales st.: To open autumn 1957.
Operation Schedules: London area: Mo.-Fri. (Associated Rediffusion) 16.00–18.00, 19.00–23.00; Sat. (Associated Television) 09.00–09.45, 15.00–18.00, 19.00–23.00; Sun. (Associated Television) 14.30–18.15, 19.00–23.00. – **Midlands area:** Mo.-Fri. (Associated Tele Vision) 12.30–13.30, 16.00–18.00, 19.00–23.00; Sat. (A.B.C. Television) 09.00–10.00, 16.00–18.00, 19.00–23.00; (Sun. A.B.C. Television) 15.00–18.15, 19.00–23.00. – **N. (W.) area:** Mo.-Fri. (Granada TV): 16.00–18.00, 19.00–23.00; Sat. (A.B.C. Television): 09.00–10.00, 16.00–18.00, 19.00–23.00; Sun. (A.B.C. Television) 15.00–18.15, 19.00–23.00. – **N. E. area:** When this station opens the operating schedules will be as for the N. (W.) area.
[1]) To be increased 1958 to 200 kW. – [2]) To be increased Christmas 1956 to 200 kW.

HOLLAND

NEDERLANDSE TELEVISIE STICHTING (Foundation).
ADDR.: Postbox 80, Bussum. – **L.P.:** Chairman: Prof. Dr. J. B. Kors O P , Vice Chairman: A. H. van de Veen. Gen. Secr.: J. W. Rengelink. Treasurer: Jhr. Th. Röell. Members: H. Algra, J. B. Broeksz, Prof. Dr. T. T. ten Have, Mej. Dr. M. A. M. Klompé, Dr. J. A. de Koning, Drs. G. J. Ligthart, Drs. A. J. J. van der Made, D. Repko, A. B. Roosjen.
STATION: Lopik, ch. E4, 20/5 kW. – **D. PRGR.:** Tues., Thurs., Sat.: 19.00–21.00. Wed., Sat.: also 16.00–16.30. From 1/1 1957 a fifth permanent evening program.
Projected St.: Roermond, Appelscha, Markelo, Goes: ch. 3, 20/5 kW in the course of 1957/58.

HUNGARY

MAGYAR RADIO. **ADDR.:** Television Department, Bródy Sandor U 5–7, Budapest VIII. – **L.P.:** Chief Television Dept.: Dezsö Révai. – **STATION:** Ch. RIII 1/0.5 kW. **D. PRGR.:** Film, studioprgr., outside broadcast. – **Projected St.:** Budapest ch. RII30/10 kW. 1/5 57. Miskolc ch. R III 5/1 kW. 1/7 58. Korishegy ch. R5 5/1 kW. 1/7 59.

ITALY

RADIOTELEVISIONE ITALIANA (State Service granted by public act to R.A.I.).
ADDR.: Direzione Centrale T.V., via del Babuino 9, Roma. – **L.P.:** Dir. Prgr. T.V.: Dr. Sergio Pugliese. Dep. Dir. Prgr. T.V.: Dr. Aldo Passante. Dir. Tec. T.V.: Eng. Sergio Bertolotti. Dep. Dirs. Tec. T.V.: Eng. L. Sponzilli; Eng. Gino Orsini.
OPERATING STATIONS (1) = Satellite stations:
Torino ch. E4A 16/8 kW – 1) Aosta ch. E5 0.04/0.02 d – 1) Plateau Rosa ch. E 10 1.6/0.8 d. – 1) Bolzano ch. E5 1.6/0.8 d.
M. Venda ch. E5 165/82 d. – 1) Trieste ch. E8A 0.4/0.2 d. – 1) Cortina d'Ampezzo ch. E5 0.04/0.02 d. – 1) Col Visentin ch. E10 0.64/0.32 d. **Portofino** ch. E10 70/35 d. – 1) Genova-Polcevera ch. E5 0.04/0.02 d. 1) Genova-Righi ch. E4A 0.002/0.001 d. – 1) S. Remo ch. E4A 0.04/0.02 d.
M. Serra ch. E5 270/90 d. – 1) S. Cerbone ch. E8A 4.8/1.6 d. – 1) Garfagnana ch. E8A 0.1/0.03 d. – 1) S. Marcello Pistoiese ch. E10 0.02/0.006 d. 1) Mugello ch. E10 0.04/0.013 d. – 1) Massa ch. E10 0.04/0.013 d. – 1) Carrara ch. E8A 0.008/0.002 d.
M. Peglia ch. E10 15/4 d. – **M. Favone** ch. E10 1/0.2. – **M. Faito** ch. E4 27/13. d. – **Roma M. Mario** ch. E8A 36/14 d. – 1) Campo Imperatore E5 0.04/0.02. – 1) Fiuggi ch. E5 0.02/0.01.
PROJECTED STATIONS:

	ch.	kW		ch.	kW
M. Argentario	E7	2.5/1.25 d.	M. Soro	E6	5/2.5 d.
M. Nerone	E3	29/17	M. Cammarata	E3	25/15
M. Conero	E8A	24/6 d.	M. Pellegrino	E10	8/4 d.
M. Vergine	E5	1.75/0.87	M. Limbara	E10	1.5/0.75
Martina Franca	E5	36/19 d.	Punta Badde Urbara	E5	145/58 d.
M. Scuro	E8A	8/4 d.	M. Sambuco	E10	13/3 d.
Gambarie	E5	21/10 d.	M. Caccia	E3	8/5 d.

Satellite Stations: Domodossola ch. 10, Val Trompia ch. 8A, Val Camconia ch. 10, Valtellina ch. 8A, Ponte di Legno ch. 5, Val Giudicaria ch. 10, Val Lagarina ch. 10, Val Sugana ch. 5, Altopiano Asiago ch. E6, Pieve di Cadore ch. E5, Tolmezzo ch. E8A, Udine ch. E7A, Gorizia ch. E6, Lunigiana ch. E8A, Bordighera ch. E10, Spoleto ch. E5, M. Terminillo ch. E4, Casentino ch. E4, Ascoli ch. E5, Teramo ch. E10, Potenza ch. E10, Plose ch. E6, Vasto ch. E5, Lagonegro ch. E10, Ardore ch. E10, Catanzaro ch. E6, Marchesato ch. E4, Trapani ch. E8A, Sassari ch. E4, Carbonia ch. E4, M. Lauro ch. E7A, M. Serpeddi ch. E8A.
D.PRGR.: W. 16.30–approx. 22.30. Sun. 08.45–approx. 11.00, approx. 15.00–18.00, 19.45–22.30 (approx.).

LUXEMBOURG

RADIO LUXEMBOURG (Pr. Comm.).
ADDR.: Compagnie Luxembourgeoise de Télédiffusion, Villa Louvigny, Luxembourg. – **L.P.:** Pres.: E. Reuter. Dir. Gen.: R. L. Peulvey. Asst. Dir. Gen.: M. Felten, J. du Closel. Dir. Prgr.: J. Luc. Dir. Music: H. Pensis. – **STATION:** Télé-Luxembourg ch. E7, 100/25 kW. Definition 819. – **D. PRGR.:** Mo., Tues., Fri.: 17.45–21.00. Wed. 17.00–21.00, Thurs.: 15.30–21.35, Sat. 16.00–21.50, Sun.: 16.00–21.20.

MONACO

RADIO MONTE CARLO (Comm.)
ADDR.: Télé-Monte-Carlo 16 Blvd. Princess Charlotte., Monte Carlo. – **L.P.:** Pres.: Henri de France. Dir. Gen.: Rene Lesheny. – **STATION** TMC ch. F10 50/12.5 kW. – **D. PRGR.:** 12.00–12.45, 19.00–22.30.

NORWAY

NORSK RIKSKRINGKASTING (Govt.)
ADDR. and L.P.: see Norway. – **STATION:** Oslo ChE. 4 1.3/0.6 Exp. transmissions. Mo. 11.00–12.00.

POLAND

POLSKIE RADIO (Govt.)
ADDR.: Komitet do Spraw Radiofonii "Polskie Radio", Noakowskiego 20, Warsaw, Cable: Polskieradio. – **L.P.:** See Poland. - **STATIONS:** Warsaw ch. RIII 7/1.7 kW. - Lodz ch. R5 3.5/0.9 kW - **D. PRGR.:** Warsaw: Wed., Thurs., Sun.: 15.30–18.00. Mo., Sat., Sun. 18.00–21.00. -Lodz: Mo., Wed., Sat.: 18.00–20.00. – **Projected Stations:** Poznan ch. R5 8/2 kW (1957), Stalinogrod ch. R7 8/2 kW (1957), Kracow ch. R6 8/2 kW (1959).

PORTUGAL

RTP – RADIOTELEVISAO PORTUGUESA S.A.R.L. (Govt.-Comm.):
ADDR.: Rua de S. Domingos, á Lapa, No 26, Lisboa. Cable: Televisao. – **L.P.:** Pres. for the Board of Adm.: Eng. C. A. de Almeida Gama Lemos de Mendonça. Adm.: Radio Clube Portugues represented by Jorge B. Moniz. Dr. A. Stichini Villela. Repr. for Govt.: A. Alçada de Paiva. Chief Eng.: Eng. F. Maria Bordalo Machado. – **PROJECTED ST.:** Lisboa ch. E7 100/20 kW. – Porto ch. E9 100/20 kW. – Lousa ch. 3 100/20 kW. – Montejunto ch. 6 12/2.5 kW. – Foia ch. 8 12/2.5 kW. Television-transmissions are expected to start in the beginning of 1957.
RADIO CLUBE PORTUGUES is a member of: RTP – Radiotelevisao Portuguesa, S.A.R.L. TV prgr.s will be regularly broadcast by Radio Clube Portuguese through the RTP network now under constitution.

RUMANIA

RADIODIFUZIUNEA ROMINA (Govt.)
STATION: ch R-2. 1.5/0.35 kW exp. – **D.PRGR.:** Prgr. consists of film three times a week. Preliminary works has begun in Bucarest with installation of a modern TV-centre consisting of a 15/2.5 kW transmitter and a modern TV studio. The transmitter will operate in ch R3.

SAAR

SAARLÄNDISCHES FERNSEHEN A. G. (Comm.) – **ADDR.:** Uhlandstr. 5, Saarbrücken. – **STATION:** Saarbrücken: Ch E2 3/1 kW. Ch. F7 0.8/0.3 kW.
TELESAAR (Comm.): **ADDR.:** 57–59 Dudweilerstr., Sarrebruck 3e. Cable: Tele sarbk. – **L.P.:** Dir. Gen.: Frederic Billmann. Secr. Gen.: Francois Favelier. Dir. Prgr.: Ernst Bingen Engineers: L. Schüssler., L. Roger. – **STATION:** Ch. F7 1/0.3 kW. – **D.PRGR.:** 18.00–21.00. – **PROJECTED ST.:** Europe No. 1 TV: ch F2 100/50 kW.

SPAIN

R. NACIONAL DE ESPANA (Govt.)
Address: Radio Nacional de Espana. Television Experimental, Castallana num. 42, Madrid. – **L.P.:** Dir.: Prgr. and Transmissions: Sr. José Ramón Alonso. Dir. Tec.: Sr. Joaquin S. Cordovés. Chief of Prgr.: Sr. José Luis Colina. – **Stations:** T.V.R.N.E. Ch E3 video 2 kW. – Sound 0.1 kW. – **D.Prgr.:** 20.00–22.00.

SWEDEN

RADIOTJÄNST TELEVISION
Swedish TV, run by AB Radiotjänst, has the same non commercial and official status as the broadcasting service.
ADDR.: Radiotjänst Television, Valhallavägen 117, Stockholm Ö. – **L.P.:** See soundbroadcasting. Dir. Prgr. TV.: Henrik Hahr. – **ST.:** Stockholm ch. E4 60/15 kW. – Göteborg ch. E9 1.5/5 kW. – **D.PRGR.:** Stockholm: 19.00–20.00 Twice a week children's prgr. in the afternoon. Sun.: Sports, religious services etc. at various times. – Göteborg: Afternoon and evening prgr. six times a week.

SWITZERLAND

SWISS TELEVISION SERVICE (Govt.)
ADDR.: Bellerive Studios 2, Kreuzstrasse, Zürich (Programme Service in German) – 66, Boulevard Carl Vogt, Geneve (Programme Service in French) – **L.P.:** Head of Swiss T.V.: Edouard Haas. Head of Prgr. Service in French: Frank R. Tappolet.

STATIONS	ch.	kW	STATIONS	ch.	kW
Uetliberg (Zürich)	E3	25/5	Dole	E4	100/20 d.,
Bantiger (Berne)	E2	30/6	Chrischona (Bale)	E10	0.5/0.1
Projected st.	**ch.**	**kW**	S. Salvatore[1])	E10	3/0.6
Saentis[1])	E7	100/20	(Italian prgr.)		
(German prgr.)			Monte Ceneri[1])	E5	5/1
			(Italian prgr.)		

[1]) 1957.

D. PRGR. in German and French: 19.30–20.45 exc. Tues., plus occasionally special transmissions (EUROVISION, sporting events etc.). in the afternoon plus one children's hour pr. week from 16.00–17.00 Relay Facilities: A microwave link across the Alps. It runs from Gempen, near Bale, (northern border) to Froburg – Bantiger-Jungfrau (12.200 ft.) – Monte Generoso (southern border). This link connects the German and Italian TV systems. – A second microwave link runs from Uetliberg – Froburg – Bantiger – Romont – La Dole. It will be extended to Saentis at the end of 1957.

USSR

TELEVISION CENTRE (Govt.)
ADDR.: Sjablovka 53, Moscow 162. – **L.P.:** Dir. for Television Studio in Moscow: I. Inozemtsev.
STATIONS:

		kc/s	m			kc/s	m
Moscow	1	67.4	70.37	Riga	3	67.62	71.12
Moscow II	3	67.62	71.12	Sverdlovsk	3	68.37	71.87
Kiev	2	68.12	71.37	Tallinn	2	67.37	70.87
Leningrad	1	66.87	70.37	Charkov	3	67.62	71.12
Minsk	1	68.12	71.62				

D. PRGR.: Mo. to Fri.: from 16.00–20.00. Sat. 15.00–19.30. Sun. c. approx. 11.00–19.30.
UNDER CONSTRUCTION: Taschkent, Tblisi, Erivan, Vilnius, Stalino, Stalingrad, Krasnojarsk, Rjazan and several others. It is planned to have 75 T.V. centres in 1960 and in 1960 the number of televisionreceivers is estimated to be 7.000.000.

YUGOSLAVIA

R. DIFFUSION YUGOSLAVE (Govt.) ch. E2 5/1 kW., exp. television under consideration.
R. TELEVIZIJA ZAGREB (Govt.) ch E9 0.05 kWd. exp.

★ NEAR EAST ★

IRAQ

ADDR., L.P.: See sound broadcasting. – **STATION:** ch. E8 0.5/0.25 kW. – **D.PRGR.:** 16.00–18.00.

TURKEY

TEKNIK UNIVERSITE, (Govt.) Elektrik Fakültesi, Yüksek frekans teknigi Kürsüsü, Istanbul. – **L.P.:** Prof. A. Ataman. – **STATION:** E4 0.1/0.1 d. – **D.PRGR.** (exp.): Thurs. 15.00–17.00. No transmissions during summer.

★ EAST ★

INDIA

It is expected, that the first TV-station will start experimental transmissions in the course of 1957 and will be situated in Bombay.

JAPAN

NIPPON HOSO KYOKAI (Public Corporation, non-comm.)
ADDR.: The Japan Broadcasting Corporation, 2, 2-chome, Uchisaiwai-cho, Chiyoda-ku, Tokyo. Cable: Radio NHK. – **L.P.:** See sound broadcasting. Chief of TV (Prgr.): Yoshio Yoshikawa. – **ST. in operation:**
Tokyo, Hiroshima, Fukuoka: ch. J3 10/5 kW. – Osaka ch. J4 10/5 kW. – Magoya ch. J3 10/5 kW. – Hiroshima ch. J3 5/2.5 kW. – Sendai ch. 3 5/2.5 kW. – Fukuoka ch. 3 0.5/0.25 kW. – **PROJECTED ST.:** Sapporo 38.9/19.5 kW. (Dec. 1956). – Hakodate 0.78/0.39 kW. (March 1957). – Shizuoka 6.4/3.2 kW. (March 1957). – Okayama 32/16 kW (1957). – Matsuyama 0.7/0.35 kW (March 1957). – Kokura 6.6/3.3 kW (March 1957). – Kumamoto (1957), Kagoshima (1957). – **D. PRGR.:** 02.30–04.30, 08.55–12.30. In addition, remote pick-ups of special events are televised, when occasion arises.
PRIVATE COMMERCIAL STATIONS:
NIPPON TV NETWORK CORP. (Nippon Television Hosomo Kabusiki Kaisha) (Comm.). – **ADDR.:** 14 Nibancho, Chiyodaku, Tokyo. – **L.P.:** Pres.: Meshichiro Shionizu. – **ST.:** JOAX - TV ch. J4 10/5 kW. – **D.PRGR.:** 8 h. daily.
OSAKA TELEVISION BROADCASTING CORPORATION
ADDR.: 13, Naka 1-Chome, Dojima, Kitaku, Osaka. – **L.P.:** Pres.: Ko Suzuki. Man. Dir. Prgr.: Kiyoshi Hara. Man. Dir. Sales: Tohru Nagamatsu. Man. Dir. General Affairs: Denji Ado. Dir. Tec.: Kunio Endo. General Planning Mgr.: Shoichi Kotani. – **ST.:** JOBX-TV Ch. J6 10/5 kW. – **D.PRGR.:**02.20–04.40, 08.30–13.40. In addition, remote pick-ups of special events are to be televised whenever occasion arises. Actual transmission of regular prgr. is expected to begin from December 1, 1956.
RADIO TOKYO – TV.: **ADDR.:** See sound broadcasting. Cable: Jokrtokyo. – **ADDR.:** TV studio: Hitotsugi-cho, Akasaka, Minatoku. **L.P.:** Main Office: See Japan. – **ST.:** JOKR-TV. ch. J6 100/50 kW. – **D.PRGR.:** 02.30–04.00, 09.00–14.00. – **PROJECTED ST.:** Chubu Nippon Broadc. Co.: JOAR-TV ch. J.5 10/5 kW.
THE NEW JAPAN BROADC. CO. Ltd.: (See Japan): Projected St.: JOOR-TV 100/50 kW.

KOREA (SOUTH), Rep. of

KORCAD CORPORATION (Comm.): ADDR.: No. 1 Nam Dai Moon-ro 1 st St. Seoul. – Cable: Korcad Seoul. – L.P.: Pres.: J. B. Miller. Dir.: T. Y. Wang. – Mgr.: Taisso, Chi. – Adm.: Y. B. Choi. Chief-Eng.: Frank Hajek. – STATION: HLKZ Korcad-TV ch A9.

THAILAND

THAI TELEVISION CO. LTD., (Comm.), Bangkok. – L.P.: Board of Directors: Pres.: Lt. General M. L. Kharb Kunjara. Man. Dir.: Prasong Hongsananda. – STATION: HSL-TV A4 29/14.5 kW: 11.30–15.00 Tues., Thurs., Sat., Sun. Information, Education, Entertainment etc.

★ PACIFIC ★

AUSTRALIA

THE AUSTRALIAN NATIONAL TELEVISION SERVICE

National Television, is controlled by the Australian Broadcasting Commission, which is responsible to the Postmaster-General of the Commonwealth. (Licences have also been issued to four commercial stations, two in Sydney and two in Melbourne).

National Television will have begun in Australia only in November, 1956. It is therefore impossible to give any significant figures for TV receivers in use at this stage.

ADDR.: Australian Broadcasting Commission, 264 Pitt Street, Sydney. – Cables: ABCOM SYDNEY. – L.P.: As for Australia Sound Broadcasting.

Stations: The ABC controls one station in Sydney and one in Melbourne. Both operate on 63–70 mc/s, 18/4 kW, with a lineage of 625. – At the present stage it is not possible to give any details about operating schedules or types of programme or about projected new stations.

PRIVATE COMM. TELEVISION STATIONS:

AMALGAMATED TELEVISION SERVICES Pty, Ltd.

ADDR.: 76–80 Elisabeth Str., Sydney. – L.P.: Owners: Sydney Morning Herald and the Sun. Amalgamated Wireless (Australasia) Ltd. – Station: ATN ch E6 100/20 kW.

TELEVISION CORP. LTD. – ADDR.: 168-174 Castleregh Str., Sydney. Cable: Diffusion. – 147 Collins Str., Melbourne. – L.P.: man: D. F. H. Parker. Dir.: N. B. Theodore. – Station: TCN ch 9 100/20 kW. – D.PRGR.: 24 h. pr. week.

HERALD SUN TELEVISION Pty. Ltd. – ADDR.: Cur Dorcas and Wells Str., S. Melbourne. – L.P.: Owner the Herald and Weekly Times Ltd. – Station: HSV ch E6 100/20 kW.

GENERAL TELEVISION CORP. – ADDR.: Bendigo St., Richmond, Victoria. – L.P.: Gen. Mgr.: Colin B. Bednall. Chief Eng.: Rodney J. Biddle. Prgr. Mgr.: Norman Spencer. – Station: G.T.V. ch E8 10/2 kW. Start part time operating January 1957.

HAWAII

Stations	ch	kW	network
1) KONA-TV	A2	60/30	NBC
2) KMVI-TV	A12	30.2/15	KONA-NBC
3) KULA-TV	A4	26.3/13.2	ABC-D.M.
4) KGMB-TV	A9	105/63.1	CBS
4) KHBC-TV	A9	1.05/0.5	KGMB-CBS
4) KMAU-TV	A3	6/3	KGMB-CBS

1) ADDR.: Radio Honolulu, Ltd., 206 Koula Street, Honolulu. – L.P.: Pres. & Gen. Man.: John D. Keating. Sales Man.: J. A. Gunn. Chief Eng.: Lawrence Trombly. – D.PRGR.: 20.00–10.00. NBC Network and Films. – Languages: Eng., Jap., Fil.

2) ADDR. & L.P.: See Radio Station KMVI.: D.PRGR.: 22.00–09.00.

3) ADDR. & L.P.: See Radio Station KULA. – D.PRGR.: 02.00–09.00. – Language: English. – 4) ADDR. & L.P.: See Radio Station KGBM. D.PRGR.: 16.05 (Sat., Sun. 01.00)–09.00. – Languages: Eng., Jap., Fil., Chi.

MARIANAS ISLANDS

GUAM: KUAM-TV. – ST.: ch. A8 0.43/0.21 kW.

PHILIPPINES

BOLINAO ELECTRONICS CORP. (Pr. Comm.)

ADDR.: 5th Floor, Republic Super, Market Building, Manila. – L.P.: Gen. Mgr.: J. B. Lindenberg. Comptroller: B. R. Pambuan. Sales: L. F. Arciaga. Traffic Mgr.: S. M. Recio. – ST.: DZAQ-TV. ch. A3 7/3 kW. – D.PRGR.: 07.00–14.00.

The following companies have been granted franchises to operate TV stations: The Republic Broadcasting System. The Manila Broadcasting Comp. The Evening News. The Manila Cronicle.

★ NORTH AMERICA ★

ALASKA

Commercial stations:

KENI-TV[1])	ch A2	5.37/2.69 kW	01.00–10.00
KTVA-TV[2])	ch A11	3.24/1.62 kW	01.30–09.30
KFAR-TV[3])	ch A2	5.37/2.69 kW	01.00–10.00
KTVF-TV[4])	ch A11	11/5.5 kW	01.00–09.00
KINY-TV[5])	ch A8	0.26/0.13 kW	02.30–06.00

[1]) Midnight Sun Broadc. Comp., Anchorage. – [2]) Northern Television Inc., Anchorage. – [3]) Midnight Sun Broadc. Comp., Fairbanks. – [4]) Northern Television Inc., Fairbanks. – [5]) Alaska Broadc. System, 830 Securities Bldg., Seattle 1, Washington.

CANADA

CANADIAN BROADCASTING CORP. (Publicly owned).

ADDR.: Quebec Region: CBFT, CBMT: 1425 Dorchester Str., West, Montreal. – Maritime Region: CBHT, Belle Road, Halifax, Nova Scotia. – Prairie Region: CBWT, 541 Portage Avenue, Winnipeg, Manitoba. – British Columbia Region: CBUT, 701 Hornby Str., Vancouver. – Ontario Region: CBLT, 354 Jarvis Street, Toronto. CBOT, CBOFT, P.O. Box 39, Westboro, Ottawa.

L.P.: Coordinator of Television – Ottawa: G. P. Gilmore. Quebec Region: CBFT, CBMT: Dir.: A. Ouimet. Prgr. Dir.: F. Guerard. Prgr. Dir.: H. Capozzi. Tech. Dir.: C. Frenette. – Maritime Region: CBHT: Dir.: F. Brickenden. Prgr. Dir.: C. MacCaul. Dir. Tech.: J. Simonsen. – Prairie Region: CBWT: Dir.: W. Carpentier. Prgr. Dir.: G. Atkinson. Dir. Tech.: H. Heywood. – B. C. Region: CBUT: Dir.: Hugh Palmer. Prgr. Dir.: M. L. Munro. Dir. Tech.: R. Whiteside. – Ontario Region: CBLT: Dir.: F. Mutrie. Prgr. Dir.: R. W. McGall. Dir. Tech.: R. Horton. CBOT: Man.: Georges Huard. Prgr. Dir.: Bruce MacPherson. Dir. Tech.: J. Book.

Stations: Definition 525. v=vision. s=sound.

		ChA	kW/v	kW/s			ChA	kW/v	kW/s
Montreal	CBFT	2	100	50	Vancouver	CBUT	2	47.6	25.4
Montreal	CBMT	6	43.8	26.2	Toronto	CBLT	6	99.5	53.5
Halifax	CBHT	3	56.5	33.8	Ottawa	CBOT	4	50.1	26.7
Winnipeg	CBWT	4	56.2	33.7	Ottawa	CBOFT	9	31	17

CBOT: Mo.-Fri.: 22.00–05.30, Sat. 20.00–06.00, Sun. 18.00–05.30.
CBOFT: D. 10.00–02.30 exc. Sat.: 18.30–06.00.

TV Facilities: A microwave link is in operation between Quebec, Montreal, Ottawa, Toronto, Winnipeg and Buffalo, N.Y. for transmission to and from USA. The microwave link also extends to other Ontario cities and will be extended later to Halifax N.S. and Vancouver B.C.

PRIVATE STATIONS (Comm.).

	Ch.	kW/v	kW/s	
1) CJCB-TV	4	100	60	318 Charlotte St., Sydney, N.S.
2) CHSJ-TV	4	100	50	14 Church St., Saint John, N.B.
3) CJBR-TV	3	34	19.4	6 St. Jean St., Rimouski, Quebec.
4) CFCM-TV	4	12.65	6.33	145 Rue St. Jean Bosco, Ste. Foy, Quebec P.Q.
5) CHLT-TV	7	170	100	3 Marquette St., Sherbrooke, P.Q.
6) CKWS-TV	11	101	60.6	170 Queen St., Kingston, Ontario
7) CHEX-TV	12	102	61.2	P.O. Box 696, Peterborough, Ontario
8) CHCH-TV	11	100	60	163 Jackson St., West Hamilt., Ont.
9) CKCO-TV	13	31.4	16.9	864 King St., West Kitchener, Ont.
10) CFPL-TV	10	325	195	P.O. Box 488, London, Ontario
11) CKLW-TV	9	325	195	825 Riverside Drive West, Windsor, Ontario
12) CKSO-TV	5	1.74	0.87	Regent and Ash St., Sudbury, Ont.
13) CFPA-TV	2	5.1	2.55	87 North Hill St., Port Arthur, Ont.
14) CKCK-TV	2	100	53.5	Leader Post Bldg., Regina, Saskatch.
15) CFQC-TV	8	100	60	216 First Avenue North, Saskat., Sas.
16) CHCT-TV	2	100	50	P.O. Box 550, Calgary, Alberta.
17) CFRN-TV	3	27.4	13.7	109 CPR Bldg., Jasper Avenue, Edm.
18) CJIC-TV	2	5.16	2.58	119 East St. Sault Ste. Marie, Ont.
19) CKX-TV	5	19.3	9.65	30th St. and Victoria Ave., Brandon, Manitoba
20) CKCW-TV	2	5	3	Knights of Pythias Hall, Moncton, New Brunswick.
21) CJON-TV	6	21	11	Broadcasting House, Prince of Wales St., St. John's, Newfoundland.
22) CKVR-TV	3	14	7	P.O. Box 69, Barrie, Ont.
23) CJLH-TV	7	96.1	44.9	1015-3rd Ave. S., Lethbridge, Alb.
24) CFCY-TV	13	38.6	19.3	85 Kent St., Charlottetown, P.E.I.
25) CKRS-TV	12	20	10	735 St. Hubert St., Jonquiere, Queb.
26) CKNX-TV	8	20	12	Corner Carling Terrace & John St., Wingham, Ontario
27) CKGN-TV	10	28.5	14.25	P.O. Box 630, North Bay
28) CFCL-TV	6	18.5	9.25	192, Toke St., Timmins.

Hours of transm. converted into GMT from Canadian summertime. Add one hour to each of the hours of transm. indicated below.

3) CJBR-TV: L.P.: Pres.: J. Brillant. Mgr.: A. Lecomte. Prgr. Dir.: F. Raymond. Dir. Tec.: M. Vallee, G. Fournier. Dir. Press: S. Brugess. – D. Prgr.: 20.30–04.00.

7) CHEX-TV: L.P.: St. Mgr.: Dr. Lawrie. Dir. Tec.: A. Crump. Dir. Prgr.: W. Straiton. – D. Prgr.: 20.30–03.15.

9) CKCO-TV: L.P.: Gen. Mgr.: E. E. Fitzgibbons. Dir. Prgr.: D. Martz. Dir. Tec.: D. Sandy. Dir. Publicity: J. Lauther. – D. Prgr.: 19.00–05.00.

10) CFPL-TV: L.P.: Pres. Mgr.: Dir.: W. J. Blackburn. St. Mgr.: M. T. Brown. Asst. Mgr.: R. A. Reinhart. Dir. Tec.: G. Robitaille. Promotion Mgr.: W. Cliff. Wingrove. – D. Prgr.: 17.30–04.30 (Sat. 05.30).

14) CKCK-TV: L.P.: Mgr.: H. A. Crittenden. Prod. Mgr.: L. Glover. Dir. Tec.: E. A. Strong. – D. Prgr.: 22.30 (Sun. 20.30)–07.00.
15) CFQC-TV: L.P.: Pres.: A. Murphy. V. Pres. and Gen. Mgr.: G. Blair Nelson. Ass. Mgr.: V. Dallin. Dir. Tec.: Lyn Hoskins. Dir. N.: G. Hudson. – D. Prgr.: 22.30–07.30.
16) CHCT-TV: Calgary Television Ltd. – L.P.: Pres.: H. G. Love Dir.: Jas. A. Love. Mgr.: Hsstewart. – D. Prgr.: 21.30–07.00.
17) CFRN-TV: L.P.: Pres. Gen. Mgr.: G. R. A. Rice. Dir. Tec.: F. G. A. Makepeace. Production Mgr.: S. O. S. Lancaster. – D. Prgr.: Sun. 21.30–07.00. W. 23.00–06.30 (Sat. 08.30).
18) CJIC-TV: L.P.: Pres. Gen. Mgr.: J. J. Hyland. Mgr.: Sam Pitt. Dir. Tec.: D. Irwin.
22) CKVR-TV: L.P.: Gen. Mgr.: R. T. Snelgrove. Sales Mgr.: C. Tierney. Chief Eng.: J. Mattenley. – D. Prgr.: 21.15–04.15.

UNITED STATES

24 educational stations are operated by schools and colleges. Addr.: Dept. of Health, Education and Welfare, Office of Education Washington 25, D.C. L.P.: Franklin Dunham, Chief of Radio, Television– 465 commercial TV-stations in operation.

THE ARMED FORCES RADIO & TELEVISION SERVICE AFRTS operates an experimental TV station at Limestone, Maine, USA. AFRTS operates TV-stations. in Alaska, Azores, Eritrea, Tripoli, Saudi Arabia, Okinawa, Bermuda, Eniwetok, Guam, Cuba, Canal Zone, Philippine, Ryukyu Isl.

★ CENTRAL AMERICA ★

CUBA

CMQ-TV(Comm.): ADDR.: Radiocentro, Habana. – L.P.: Pres.: Goar Mestre y Espinosa. Dep. Pres.: Abel Mestre y Espinosa. Luis A. Mestre y Espinosa. Dir. Prgr.: M. Cores. Chief-Eng.: R. L. Guiral. – ST.: Habana CMQ ch.A6 100/50 kW d., Matanzas CMGQ ch.A9 29/14.5 kW, Sta Clara CMHQ ch.A5 25.6/12.8, Camagüey CMJL ch.A6 57.5/28.8 Stgo Cuba CMKU ch.A2. – D.PRGR.: 11.00–06.00. – PROJ. ST.: Ciego de Avila CMJB-TV ch.A7 2.9/1.5 kW – Holguin CMKJ-TV ch.A3 14/7 kW.

TELEMUNDO:(Comm.): ADDR.: Calle 23 y P., Vedado, Habana. – L.P.: Pres.: Julio Fernandez. Adm.: A. A. Bernabei. Chief Eng.: Ventura Montes. Dir. Prgr.: Joe Pérez. – ST.: Habana CMAB. TV ch A2 100/60 kW d. – S. Miguel ch A11 40/8 kW. – S. Clara ch A8 40/8 kW. – Jatibonico ch.A12 40/8 kW. – Camagüey ch.A9 40/8 kW. – Holguin ch.A13 40/8 kW. – Stgo. de Cuba ch.A7 40/8 kW. – PROJ. ST.: Pinar de Rio ch.A8 40/8 kW. – D. PRGR.: 15.30–06.00.

RADIO TELEVISION NACIONAL S.A. (Comm.) – ADDR.: S.Miguel y Mazon, Habana. – L.P.: Pres.: A. C. Ruiz. Mgr.: P. A. Rios. Dir. Tec.: A. Barranco. ST.: Habana ch A4 100/60 kW – Santa Clara ch A3. – D.PRGR.: 17.00–06.00.

DOMINICAN REP.

LA VOZ DOMINICANA-TV (Comm.): ADDR.: Calle Miami Ciudad Trujillo D.S.D. Cable: Dominicana. – L.P.: Dir. Gen.: A. E. Santamaria. Dir. Tec.: Eng. A. Soto. ST.: HIT-TV ch.A4. 5/2.5 kW.

EL SALVADOR

TELEVISION SALVADORENA S.A. (Comm.): ADDR.: 2a Avenida Norte No. 22, San Salvador. – L.P.: Gen. Mgr.: Boris Eserski. – ST.: YSEB-TV Ch A6 0.5/0.25 kW. – PROJECTED ST.: YSDF-TV January 1957. YSU-TV planned.

GUATEMALA

TELEVISION NACIONAL DE GUATEMALA (Govt.): ADDR. and L. P.: See Guatemala. – STATION TGW-TV: ch. A8 0.3/0.1 kW. – D. PRGR.: 02.00–05.00.

TELEVISION GUATEMALA S.A. (Comm.): ADDR.: 8a Av., 9–23 Z-1, Guatemala City. – L. P.: M. B. Garcia. – STATION: TGBOL-TV ch. A3 15.5/7.75 kW. – D. PRGR.: 23.50–05.00 (approx).

MEXICO

PRIV. COMM. STATIONS:

TELEVISORA DEL NORTE S.A.: ADDR.: 5 de Mayo Oriente 110, Monterrey, N. L. – L. P.: Pres.: Emilio AzCárraga. Dir. Gen.: Mario Quintanilla G. – ST.: XHNL-TV ch. 10 0.3/0.15 kW d. (Film). – F. Pl.: XHFB ch.2 15/7.5 kW. March 1957.

TELEVISION DE LA FRONTERA S.A.: ADDR.: Box 442, El Paso. – ST.: XEJ-TV ch. A5. – Owner: P. M. Hoyos.

RADIO Y TELEVISION: ADDR.: 4233 Park Blvd., S. Diego. – ST.: ch. A6. – Owner: G. I. Rivera.

TELESISTEMA S.A.: ADDR.: Av. Chapultepec 18, Mexico City D. F. – Owner: Emilio AzCárraga. – ST.: TXEW.-TV ch. A2. XEQ-TV ch. A7. XHTV ch. A4. XHGC-TV ch. A5. XEZ-TV (El Pinal del Zamorano) 10 kW.

XEFE-TV, ADDR.: Nuevo Laredo, Aptd. 4, Mexico City. – ST.: ch. A11

PUERTO RICO

Call	Ch.	kW	Comm. exc. Dept. of Education.
1) WKAQ-TV	2	100/50	El Mundo Inc., Box 1072, S. Juan.
2) WAPA-TV	4	150/50	Ponce de Leon Broadc Co Inc, Box 4563, S Juan
1) WKAQ-TV	3		El Mundo Inc, Box 1072, S Juan
1) WAPA-TV	3	56.2/33.9	Ponce de Leon Broadc. Co. Inc., Box 4563, S. Juan.
1) WORA-TV	3	1.48/0.89	Supreme Broadc. Co. Inc., Mayaguez.
*) WORA-TV	5	10/3	R. Americas Corp., Box 43, Mayaguez.
2) WIPR-TV	6		Dept. of Education, Box 4863, S. Juan.
1)	7		Geo A. Mayoral & W. Cortada, Ponce.
1)	7		Dept. of Education of P. R. Ponce.
1)	9		American Colonial Broadc. Corp., Box
2)	11		4189, San Juan.

Hours of Transmission: 17.00 or 19.00 to approx. 03.00.
*) Operation in conjunction with WKAQ-TV. Construction permit granted. 1) Application filed at F.C.C. 2) Construction permit granted.

★ SOUTH AMERICA ★

ARGENTINA

R. BELGRANO TV: – L. P.: Dir Julio Bringer Ayala. STATION: LR3 ch. A7 5 kW: D. 20.00 (Sun. 18.00)–03.00. – F. PL.: One new T.V.-st. in B. Aires and in Rosario.

BRAZIL

R. RIO LTD., Rio de Janeiro: ch. A13 25/25 kW. – **S. A. RADIO TUPI**, Rio de Janeiro: ch. A6 25/25 kW. – **R. DIFUSORA DE SAO PAULO S/A**, Sao Paulo: ch. A3 25/25 kW. – **R. RECORD S/A**, Sao Paulo: ch. A7 25/25 kW. – **R. TELEVISAO PAULISTA**, Sao Paulo: ch. A5 25/25 kW. – **R. TELEVISAO ITACOLOMY**, Minas Gerais: ch. A4 10/10 kW.

COLOMBIA

R. DIF. TELEVISORA NACIONAL (Govt.): ADDR. & L.P.: See Colombia.
Bogota: ch. A8. – Medellin: ch. A7. – Cali: ch. A7. – Alto Magdalena: ch. A7. – Quindio: ch. A9. – Manizales: ch. A11.

URUGUAY

SOCIEDAD ANONIMA EMISORAS DE TELEVISION Y ANEXOS. (S.A.E.T.A.).: ADDR.: Calle Uruguay 1218, Montevideo. L.P.: Raul Fontaina. ST.: ch. A10 0.35 kW: 22.30–00.30. F.PL.: Power 5 kW. – ADDR.: Calle Mercedes 973, Montevideo. L.P.: Raul Fontaina. ST.: CXA-TV-5 ch. A5 5 kW (under construction). D.PRGR.: approx. 2–3 h. daily. R. Carve-TV ch. A8 0.1 kW (exp.).

VENEZUELA

TELEVISORA NACIONAL (Govt.): ADDR.: The Ministry of Communications of the National Government Caracas – ST.: YVKA-TV ch. 5 37.2/18.6 kW

TELEVISA VENEZOLANA S.A., CARACAS (Comm.): ST.: Caracas YVLV-TV ch A4 15/7.5 kW. – La Guaira ch. A7 0.25/0.125 kW. – Maiquetia ch. A9. – Projected St.: Coro ch. 8.

RADIO CARACAS TELEVISION (Comm.): ADDR.: Barcenas à Rio Edif Radio Centro, Aptd. 2057, Caracas. Cable: Coraven. – L. P.: Dir. A. Espina. Adm.: G. Tucker, Chief Eng.: J. M. Coello. – ST.: R Caracas YVKS-TV ch A2 60/30 kW. – Valencia ch. A7 13/6.5 kW. – Coro ch. A10 330/165 kW. – Maracaibo ch. A2 600/300 kW –

Projected St.: R. Caracas YVKS-TV La Guryara ch. A7 0.3/0.15 kW.

ONDAS DEL LAGO TELEVISION (Comm.): ADDR.: Apt. 261, Maracaibo. – L.P.: Pres. Nicolas, Vale Quintero. Vice Pres. Mgr.: H. Ascanio Buroz. Chief Eng.: Dr. Ignacio Salcedo. Dir. Prgr.: M. H. Perez Diaz. – ST.: ch. A13 12/6 kW.

Adv.

DX NEWS,

the magazine for Listeners, carries material and reports about BC, SW, HAM, PTT and Utility stations, in addition to descriptions and complete diagrams of receivers, pre-selectors and converters. DX LISTENERS CLUB, has a BC, SW, and HAM report office. Membership means cheaper report forms, log forms, writing paper, DX NEWS sent free, and members in many countries also obtain a discount on wireless parts. DX-LC has sub-headquarters in many countries, but write to headquarters for sample copy of DX NEWS, but enclose one IRC. Membership subscription is Norw. Kr. 15, Sw. Kr.11.50, Da. Kr. 16, annually.
Membership fee per years Sh. 16/–, $ 2.50.
HQ: DX Listeners CLUB, NØTTERØY, NORWAY

A DIRECTORY OF THE ADVERTISERS

ASAHI BROADCASTING COMPANY, Nakanoshima, Kitaku, Osaka, Japan: See text page 100 and advertisement page..... 100
AD AURIEMA, INC., 89 Broad Street, New York 4, N.Y.: See advertisement page 31, 34, 85, 106
AUSTRALIAN BROADCASTING COMMISSION, RADIO AUSTRALIA, Post Office Box 780 H G.P.O., Melbourne, Australia: See text page 104, 105, 106 and advertisement page 16
BERLINGSKE TIDENDE, Pilestræde 34, Copenhagen, Denmark: See advertisement page..... 32
BRITISH SAROZAL LTD., Sarozal House, Marylebone Passage, Margaret St., London W.1.: See advertisement page..... 10
CANADIAN BROADCASTING CORPORATION, INTERNATIONAL SERVICE, P.O. Box 6000, Montreal, Canada: See text page 112, 113 and advertisement page..... 15
CARACOL, EMISORAS NUEVO MUNDO, Calle 12 No. 6–28, Bogota, Colombia: See advertisement page..... 36
CHRISTIAN BROADCASTER (RAVEMCCO), 156 Fifth Avenue, New York City 10, USA: See advertisement page..... 33
COMPAGNIE FRANCAISE THOMSON-HOUSTON, Groupe Electronique, 173 Boulevard Haussmann, Paris VIII, France: See advertisement back cover and pages..... 43, 44
DANISH STATE RADIO, Radio House, Rosenørns Alle 22, Copenhagen V: See text page 40 and advertisement page..... 19
DEUTSCHE WELLE, Köln, Wallrafplatz, Germany: See text page 42 and advertisement page..... 6
ELECTRIC AND MUSICAL INDUSTRIES LTD. (E.M.I.), INTERNATIONAL DEPARTMENT, Hayes, Middlesex, England. Cables: "Emiglobe, London": See advertisement..... Coverpage 2
FERNSEH GMBH DARMSTADT, Langraf-Philipps-Anlage 6, Postfach 329, Darmstadt: See advertisement page 143
GATES RADIO COMPANY, International Division, 13 East 40th Street, New York 16, N.Y., USA. Cables: "ARLAB". See advertisement page..... 23
HALLAM SLEIGH &CHESTON LTD., Birmingham 4, England. Cable: "Superfine". See advertisement..... Coverpage 3
HALL ELECTRIC LTD., Haltron House 49–55 Lisson Grove, London N.W.1: See advertisement page..... 30
HAMMARLUND, EXPORT DEPARTMENT, ROCKE INTERNATIONAL CORPORATION, 13 East 40th Street, New York 16, N.Y., USA: See advertisement page..... 17
HELLESENS ENKE & V. LUDVIGSEN LTD., Aldersrogade 6, Copenhagen, Denmark: See advertisement page..... 35
IBRA RADIO, AB, P.O. Box 821, Stockholm 1, Sweden: See text page 68, 70 and advertisement page..... 71
KODAK-PATHE, Export Dept., 37 Avenue Montaigne, Paris 8e, France: See advertisement page 20
ROBERT KARST (ROKA), Berlin-SW 29 (US Sector): See advertisement page..... 31
THE MANILA BROADCASTING COMPANY, Radio Center Philippines, Manila, Philippines: See text page 110 and adv. page 26
MINNESOTA MINING AND MFG. CO., St. Paul 6, Minnesota, Export Sales Office: 99 Park Ave., New York 16, N.Y., USA: See advertisement page..... 25
MOSCOW RADIO, Radio Centre, P.O. Box 939, Moscow, USSR: See text page 73 and advertisement page..... 72
NATIONAL ASSOCIATION OF COMMERCIAL BROADCASTERS IN JAPAN, 8–7 Nishi-Ginza Chuo-ku, Tokyo, Japan: See advertisement page..... 98
NATIONAL COMPANY INC., 61 Sherman Street, Malden 48, Mass., USA: See advertisement page..... 34
NEAR EAST ARAB BROADCASTING STATION, Phoenicia Road, Beirut, Lebanon: See text page 88 and advertisement page.. 33
NORSK RIKSKRINGKASTING, Bj. Björnsonsplass 1, Oslo, Norway: See text page 59 and advertisement page 13
PHILIPS, EINDHOVEN, HOLLAND: See advertisement page..8–9
RADIO NACIONAL DE ESPANA, Castellana No. 42, Madrid, Spain: See text page 63 and advertisement page..... 65
RADIONETTE, Trondheimsveien 100, Oslo, Norway: See advertisement page..... 12
RADIO CLUBE DE MOCAMBIQUE, P.O. Box 594, Lourenco Marques: See text page 84 and advertisement page..... 83
RADIOTELEVISIONE ITALIANA (RAI) via del Babuino 9, Roma, Italy: See advertisement page..... 14
RED DE EMISORAS DEL MOVIMIENTO, Ayala 15, Madrid, Spain: See text page 63, 64 and advertisement page 67
ROCKE INTERNATIONAL CORPORATION, 13 East, 40th Street, New York 16, N.Y. Cables: "ARLAB": See advertisement page 11
SHARQ AL ADNA (NEAR EAST ARAB BROADCASTING STATION), Phoenicia Road, Beirut, Lebanon: See text page 88 and advertisement page..... 33
SIEMENS & HALSKE AKTIENGESELLSCHAFT, Erlangen (Berlin-Munchen): See advertisement page..... vis a vis titlepage
SOCIEDAD ESPANOLA DE RADIODIFUSION (S.E.R.), Avenida de José Antonio 32, Madrid, Spain: See text page 64, 66 and advertisement page..... 22
STORNO, Division of the Great Northern Telegraph Co., Ltd., Ved Amagerbanen 21, Copenhagen S, Denmark: See advertisement page 21
SWEDISH BROADCASTING CORPORATION, A/B RADIOTJÄNST, Stockholm 7, Sweden: See text page 66, 68 and advertisement page..... 69
SWISS SHORTWAVE SERVICE, Neuengasse 23, Berne, Switzerland: See text page 70, 73 and advertisement page 4
TELEFUNKEN G.m.b.H., Berlin S.W.61, Mehringdamm, Germany: See advertisement page..... 29
THE VOICE OF THE ANDES, INTERNATIONAL MISSIONARY STATION HCJB, Casilla 691, Quito, Ecuador, S. America: See text page 138, 139 and advertisement page..... 34
THE VOICE OF AMERICA, Washington 25, D.C., USA: See text page 114–117 and advertisement page..... 3

For Advertisers: Facts prove, that the world wide "buyer contact" distribution of WRH makes it one of the soundest and most economical export advertising media. Brochure and rates from: World Radio Television Handbook, Lindorfsallé 1, Hellerup, Denmark.
To make sure of space post your letter today.

To get the most out of World Listening

read

the *new* edition of:

HOW TO LISTEN TO THE WORLD

World listening made easy by help of How to listen to the world. This companion to the WRH sets out to help all interested in world-listening to get the best from their receivers, by giving hints and tips on short-wave reception. – It explains in simple language, illustrated by useful drawings and tables, how to set about finding, identifying and logging foreign stations and getting good results throughout the year.

Used in conjunction with the WHR, it will enable you to enjoy better, trouble-free radio, and at the same time increase your knowledge of the world at large.

Price: Dan. Kr. 4,50 - £ 0/4/6 - $ 0,65 - DM 3,00 - Fr. 225 plus postage

Order your copies now.

World Radio Handbook, Lindorffsalle 1, Hellerup, Denmark.

LONG- AND MEDIUM WAVE STATIONS

EUROPE — NORTH AFRICA — NEAR EAST

For medium waves of the other countries see the individual countries.

kc/s	Metres	kW	Stations
151	1987	500	**Moscow I** - USSR
155	1935	10	**Tromsö** - Norway
—	1935	150	**Stalin** - Rumania
164	1829	250	**Allouis** - France
173	1734	1000	**Munich (VOA-RIAS)** Germany
—	1734	500	**Moscow I** - USSR
182	1648	100	**Reykjavik** - Iceland
—	1648	10	**Luleå** - Sweden
—	1648	120	**R. Ankara** - Turkey
—	1648	400	**Europe No. 1** - Saar
185	1622	100	**Deutschlandssender**
191	1571	35	**Tblisi** - USSR
—	1571	150	**Motala** - Sweden
200	1500	100	**Moscow II** - USSR
—	1500	400	**Droitwich** - Gt. Brit.
209	1435	150	**Kiev I** - USSR
218	1376	10	**Baku** - USSR
—	1376	200	**Oslo** - Norway
227	1322	200	**Warsaw I** - Poland
233	1287	500	**Luxembourg I**
236	1271	100	**Leningrad I** - USSR
245	1224	150	**Kalundborg I** - Denmark
254	1181	200	**Lahti** - Finland
263	1141	150	**Moscow II** - USSR
272	1103	200	**Praha II** - Czechosl.
281	1068	100	**Minsk** - USSR
340	882.4	100	**Moscow II** - USSR
385	779	50	**Kharkov** - USSR
420	714	10	**Östersund** - Sweden
433	693	10	**Oulu** - Finland
520	577	2	**Braunschweig NDR.** - Germ.
—	577	1	**Hamar** - Norway
—	577	1	**Joensuu** - Finland
—	577	5/0.2	**4 st. B.R.** - Germany
—	577	20	**R. D.D.R.** - Germ.
—	576.9	10	**Aldrans II** - Austria
—	576.9		**low power stations** - Austria
529	567.1	20	**R. D.D.R.** - Germ.
—	567.1	150	**Beromünster** - Switzerland
539	556.5	135	**R. Kossuth** - Hung.
548	547.4	100	**Munich AFN** - Germany
—	547.5	100	**Kharkov** - USSR
557	539	100	**Helsinki I** - Finland
—	538.6	100	**Cairo III** - Egypt
—	538.6	150	**Timisoara II** - Rumania
—	538.6	50	**M. Ceneri** - Switzerland
—	538.6	20	**R. D.D.R.** - Germ.
—	538.6	1	**R. Nacional (3 st.)** - Portugal
—	539		**Stalingrad** - USSR
566	530	100	**Athlone** - Ireland
—	530	10	**Caltanissetta I** - Italy
—	530	20/5	**Freies Berlin** - Germany
—	530	0.05	**low power st.** - Austria
575	522	100	**Mühlacker (S.D.R.)** Germany
—	522	100	**Riga** - USSR
—	521.7	300	**R. D.D.R.** - Germ.
—	521.7	50	**Tel Aviv** - Israel
584	514	1	**Paris Grenelle** - France
—	513.5	1	**Guarda** - Portugal
—	513.7	7	**Klagenfurt II** - Austria
—	513.7	10	**Salzburg II** - Austria
—	513.7	100	**Wien II** - Austria
585	513.7	150	**R. Nacional** - Spain
593	505.9	150	**Sundsvall** - Sweden
593	505.8	100	**Frankfurt (H. R.)** - Germany
—	505.8	20/1.25	**R. Africa Tanger/Maghreb** - Tangier
—	505.8	20	**Meissner (H. R.)** - Germany
—	506	20	**Sofia II** - Bulgaria
602	498.4	20	**Berliner Rundfunk** - Germany (D.D.R.)
—	498.2	2	**Damascus** - Syria
—	498	100	**Lyon I** - France
606	495	10	**Nicosia** - Cyprus
610	491.8	2.5	**R.Bahrain** - Bahrain
611	491	10/2	**2 st. AFN** - Germ.
—	491	140	**Sebaa-Aioun** - Fr. Morocco
—	491	5	**Eidar TFE** - Iceland
—	491	20	**Berliner Rundfunk** - Germany
—	491	100	**Petrozavodsk** - USSR
—	491	20	**Sarajevo** - Yugosl.
—	491	20	**Krasnodar** - USSR
620	483.9	100	**Cairo II** - Egypt
—	483.9	20	**Moscow II** - USSR
—	483.9	150	**Bruxelles I** - Belg.
629	477	100	**Vigra** - Norway
—	476.9	25/0.05	**3 stations** - Austria
—	476.9	20	**Tunis I** - Tunesia
633	475	1	**Godthåb OXI** - Greenland
638	470.2	100	**Sharq al Adna** - Cyprus
—	470	5	**Sevilla** - Spain
—	470.2	120	**Praha I** - Czechosl.
647	463.5	100	**Kharkov** - USSR
—	463.6	100	**Simferopol** - USSR
—	464	150	**Daventry** - Gr. Brit.
—	464	2	**4 stations** - Gr. Brit.
652.1	460	0.8	**Tel-Aviv** - Israel
656	457.3	5	**R. D. D. R.** - Germ.
—	457.3	20	**Bolzano I** - Italy
—	457.3	80	**Firenze I** - Italy
—	457.3	80	**Napoli I** - Italy
—	457.3	35	**Torino I** - Italy
—	457.3	10	**Venezia I** - Italy
—	457.3	150	**Murmansk** - USSR
660	454.5	20	**R. Kabul** - Afghan.
665	451.2	15	**Athens II** - Greece
—	451.2	1	**Hoefn** - Iceland
—	451.2	50	**Damascus** - Syria
—	451	10	**Kaiserlautern AFN** Germany
—	451	50	**Lisboa I** - Portugal
—	451	100	**Vilnius** - USSR
674	445.1	100	**Rostov/Don** - USSR
—	445.1	10	**Bodö** - Norway
—	445	150	**Rennes I** - France
—	445	—	**low power st.** - Austria
677	443	20	**Ramallah** - Jordan
683	439.2	1.25	**R. Africa** - Tangier
—	439	150	**Beograd I** - Yugosl.
—	439	15	**Madrid EAJ 7** - Spain
—	439	100	**Berlin (RIAS)** - Germany
688	436	20	**R. D.D.R.** - Germ.
691	433.5	100	**Moscow II** - USSR
692	434	2	**Cromer** - Gt. Britain
—	434	10	**Nicosia** - Cyprus
—	434	150	**Moorside Edge** - Gt. Britain
—	434	2	**Whitehaven** - Gt. Britain
—	434		**low power st.** Austr.
—	433.5	100	**Ufa** - USSR
701	428	20	**La Coruna** - Spain
—	427.8	2	**Westdeutscher Rundf. (2 st.)** - Germany
701	428	150	**Istanbul** - Turkey
—	428	140	**Sebaa-Aioun** - Fr. Morocco
—	428	20	**Finmark** - Norway
—	428	3/2	**5 stations** - Czechoslovakia
—	428	100	**Banska Bystrica** - Czechoslovakia
710	422	150	**Marseille I** - France
—	422	100	**Stalino** - USSR
719	417.2	135	**R. Free Eur.** - Germ.
—	417	15	**Lisboa II** - Portugal
—	417.2	20	**R. Universidade** - Portugal
—	417.2	2	**Aleppo** - Syria
725	413.8	3	**Djeddah** - S. Arabia
728	412	25	**Klagenfurt** - Austria
—	412	5	**La Voz de Guipuzcoa** - Spain
—	412	50	**Athens I** - Greece
—	412	500	**R.D.D.R.** - Germ.
737	407.1	40/20	**Hof/Berlin (RIAS)** - Germany
—	407	2.5	**Jerusalem** - Israel
—	407.1	5	**Akureyri** - Iceland
—	407.1	100	**Warsaw III** - Poland
—	407.1	30	**Barcelona** - Spain
746	402	20	**Damascus** - Syria
—	402	120	**Hilversum I** - Holl.
753	398	0.8	**Albacete** - Spain
755	397	20	**Kuopio** - Finland
—	397.3	50	**Timisoara I** - Rumania
—	397	10	**Porto I** - Portugal
—	397.3	2	**Siegen (W.D.R.)** - Germany
764	392.6	150	**Sottens** - Switzerl.
—	392.6	20	**Baghdad** - Iraq
773	388.1	150	**Stockholm** - Sweden
—	388.1	2	**Malmberget** - Sweden
—	388	2	**Vatican Radio**
—	388	100	**Cairo I** - Egypt
—	388	1	**Salzburg I** - Austria
—	388	0.1/0.05	**low power stations** - Austria
—	388	5	**Valencia** - Spain
782	383.6	500	**Deutschlandsender** - Germany
—	383.6	100	**R. Clube Portugues** - Portugal
—	383.6	100	**Kiev II** - USSR
—	383.6	15	**R. Madrid** - Spain
791	379	100	**Limoges I** - France
—	379.2	50	**Salonika (VOA)** - Greece
800	375	100	**München (B. R)** - Germany
—	375	1	**R. Alto-Douro** - Portugal
—	375	100	**Leningrad II** - USSR
—	375	5	**R. Sevilla** - Spain
809	371	100	**Burghead** - Gt. Brit.
—	371	5/2	**2 stations** - Gt. Brit.
—	371	100	**Westerglen** - Gt. Brit.
—	370.8	20	**Skoplje** - Yugoslav.
—	370.8	10	**R. Barcelona** - Spain
—	370.8	100	**Moscow II** - USSR
818	366.7	10	**Trieste I** - Italy
—	366.7	50	**Warsaw II** - Poland
—	367	1	**Casablanca II** - Fr. Morocco
—	367	0.25	**Oujda II** - Fr. Morocco
827	362.8	100	**Kaunas** - USSR
—	363	100	**Sofia I** - Bulgaria
—	363	20	**Tetuan** - Sp.Morocco
—	363	40	**Freiburg - (SWF)** - Germany

kc/s	Metres	kW	Stations
827	363	0.5/1/1.5/3	**5 stations (SWF)** - Germany
836	359	10	**Ylivieska** - Finland
—	359	150	**Nancy I** - France
—	358	1	**R. Juv. de Barcelona** Spain
—	359	4	**Beyrouth** - Lebanon
845	355	0.2	**Helsinki III** - Finl.
—	355	150	**Roma II** - Italy
850	352.9	1	**Narsarssuak (AFRS)** - Greenl.
—	352.9	2	**Huelva** - Spain
—	352.9	0.25	**Huelva, R. Nac.** - Spain
854	351.3	150	**Bucuresti I** - Rum.
—	351.3	20	**R.D.D.R.** - Germ.
—	351	3.5	**Madrid EAJ 2** - Spain
863	348	150	**Paris I** - France
872	344.0	150	**Frankfurt AFN** - Germany
—	344.0	135	**R. Petöfi** - Hungary
—	344.0	30	**Zaragoza** - Spain
—	344.0	150	**Moscow III** - USSR
881	340.6	20	**Titograd** - Yugosl.
—	340.5	20	**Deutschlandsender** Germany
—	340.5	7.5	**Benghazi (F.B.S.)** - Libya
—	341	2/5/8	**3 stations** - Gt. Brit.
—	341	100	**Washford** - Gt. Brit.
890	337.1	50	**Alger II** - Algeria
—	337.1	15	**Linz** - Austria
—	337.1	20	**Bergen I** - Norway
—	337.1	20	**Kristiansand** - Norway
—	337.1	20	**Tröndelag** - Norw.
—	337.1	20	**Uzjgorod** - USSR
—	337	20	**Dnjepropetrovsk** - USSR
895	335.0	2	**R. Teheran** - Iran
899	333.7	150	**Milano I** - Italy
908	330	140	**Brookmans Park** - Gt. Britain
912	328.9	20	**Berliner Rundfunk** - Germany D.R.
917	327.2	0.25	**Rabat** - Fr. Morocco
—	327.2	5	**R. Dersa Tetuan** - Sp. Morocco
—	327.1	130	**Ljubljana** - Yugosl.
926	324.0	150	**Bruxelles II** - Belg.
—	324	2	**Luxor** - Egypt
935	321.0	100	**R. Africa** Tangier
—	321.0	5	**Lvov** - USSR
—	321.0	5	**Berlin AFN** - Germ.
944	318	100	**Toulouse I** - France
—	318	20	**Voronezh** - USSR
953	314.6	15	**R. Intercontinental, Madrid** - Spain
—	315	100	**Brno** - Czechoslov.
—	315	15	**Plzen** - Czechosl.
962	312	100	**Turku I** - Finland
—	311.9	20/120	**Tunis II** - Tunesia
—	311.9	5	**Paris IV** - France
971	309.0	5	**Göttingen (N.D.R.)** Germany
—	309.0	100	**Hamburg (N.D.R.)** Germany
—	309.0	100	**Langenberg (W.D.R.)** - Germ.
—	309	20	**Smolensk** - USSR
980	306.0	75	**Alger I** - Algeria
—	306.0	2	**Assiut** - Egypt
—	306.1	2.5	**Trieste A** - Italy
—	306.1	150	**Göteborg** - Sweden
989	303.3	300/100	**Berlin RIAS** - Germ.
—	303	8	**R. Malaga** - Spain
998	301.0	8	**Heidelberg (SDR)** - Germany
—	301.0	0.2	**Buchen (S.D.R.)** - Germany
—	301.0	100	**Kichinev** - USSR
—	301.0	60	**R. Andorra**
1000	300	5	**Malaga, R. Nac.** - Spain

kc/s	Metres	kW	Stations
1006	298.2	1	**Salonika (FBS)** - Greece
1007	298	120	**Hilversum II** - Holl.
—	298	6	**Malaga** - Spain
1016	295	70	**Rheinsender (SWF)** Germany
—	295	1	**Sebaa Aïoun III** - Morocco
—	295	100	**Kiev** - USSR
1025	292.7	5/50	**R. Nacional** - Spain
—	292.7	100	**Dobl** - Austria
—	292.7	100	**Kronstarf** - Austria
—	292.7	5	**Dornbirn** - Austria
—	292.7	0.3	**F.B.S.** - Aden
—	292.7	0.5	**Haifa** - Israel
—	292.7	5	**R. San Sebastian** - Spain
1034	290.2	0.25	**3 st. AFN** - Germ.
—	290.1	8	**Milano 2** - Italy
—	290.1	5	**Napoli 2** - Italy
—	290.1	1/2	**low power st.** - Italy
—	290.1	2	**Genova 2** - Italy
—	290	100	**Tallinn 1** - USSR
—	290.1	20	**Parede** - Portugal
—	290.1	1	**R.Hospitalet** - Spain
1043	287.6	20	**Rabat** - Fr. Morocco
—	287.6	2	**Salonica** - Greece
—	287.6	220	**R. D.D.R.** - Germ.
1047	286		**Toledo** - Spain
1048	287	0.8	**Low power st.** - Spain
1052	285.0	0.05	**Low power st.** - Austria
—	285.0	2	**Barnstaple** - Gt. Britain
—	285.0	120	**Start Point** - Gt. Britain
—	285.1	5	**Bucuresti II** - Rumania
—	285.0	2	**R. Tripoli** - Libya
1061	282.8	15	**Lisboa** - Portugal
—	283	60	**Kalundborg II** - Denmark
—	282.8	20	**Cagliari I** - Italy
1070	280	100/20	**Paris II Marseille II** France
—	280	20	**Dnjepropetrovsk** - USSR
1079	278	10	**R. International** - Tangier
—	278	10	**R. Tanger** - Spain
—	297.8	2	**Minia** - Egypt
—	278	2	**Bremerhaven** - Germ.
—	278.0	60	**Stalinogrod** - Poland
—	278.0	20	**Berliner Rundfunk** - Germany
1088	276	0.05	**Low power st.** - Austria
—	276	150	**Droitwich** - Gt. Brit.
—	276	7.5	**Postwick** - Gt. Brit.
—	276	0.2	**Korça** - Albania
1093	274.5	1	**Nicosia (FBS)** - Cyprus
1097	273.5	150	**Bratislava I** - Czechoslovakia
—	275		**R. Palamos** - Spain
1106	271.2	100	**Stuttgart AFN** - Germany
—	271.2	0.8	**Low power st.** - Spain
1115	269.1	1/10/40/50	**5 stations (RAI)** - Italy
—	269.1	0.25/1	**8 low power st.** - Norway
1124	267	3	**Barcelona** - Spain
—	267		**4 low power st.** - Austria
—	266.9	100	**Moscow II** - USSR
—	266.9	10	**Bruxelles IV** - Belg.
—	267	5	**Stalin** - Bulgaria
—	266	100	**Leningrad** - USSR
1128	266.0	5	**Pan American** - Tangier
1133	264.8	2.5	**R. Bilbao** - Spain
—	265	135	**Zagreb I** - Yugosl.
—	264.7	50	**Split** - Yugoslavia

kc/s	Metres	kW	Stations
1142	262.7	20	**Constantine I** - Algeria
—	262.7	40	**Oran I** - Algeria
—	262.7	0.25/1	**5 low power st. AFN** Germany
—	262.7	2	**Sohag** - Egypt
—	263	20	**Kaliningrad** - USSR
1151	261	100	**Lisnagarvey** - Gt.Br.
—	261	2/0.25	**2 stations** - Gt.Brit.
—	261	100	**Stagshaw** - Gt. Brit.
—	260.9	20	**Oradea** - Rumania
1160	259	150	**Strasbourg I** - France
1169	256.6	1	**R. Renascenca** - Portugal
—	257	6	**R. Capodistria** - Yugoslavia
—	257.0	3	**Ulm-Jungingen (SDR)** - Germany
—	257.0	8	**Heilbronn (SDR)** - Germany
—	257.0	150	**Odessa** - USSR
1178	254.7	100	**Hörby** - Sweden
—	254.5	10	**Cuenca** - Spain
—	254.6	2	**Assouan** - Egypt
1186	253	0.06	**Megara** - Greece
1187	252.7	135	**Szabadsag** - Hungary
—	253	1	**Casablanca I** - Morocco
—	253	0.25	**Oujda I** - Morocco
1190	252	1	**La Voz de Leon** - Spain
1196	251	150	**Munich (VOA)** - Germany
—	251	20	**Berliner Rundfunk** - Germany
1200	250	0.1/0.3	**Low power st.** - Spain
1205	249.0	2	**Alexandria** - Egypt
—	248	0.5	**Low power st.** - Spain
—	249	100	**Bordeaux I** - France
—	249	0.5	**Haifa** - Israel
—	249	30	**Poznan** - Poland
1214	247	60	**Brookmanns Park** - Gt. Britain
—	247	20	**Burghead** - Gt. Brit.
—	247	10	**Lisnagarvey** - Gt. Britain
—	247	58	**Moorside Edge** - Gt. Britain
—	247	50	**Westerglen** - Gt. Britain
—	247	0.3/2	**5 low power st.** - Gt. Britain
—	247	20	**Tallin II** - USSR
—	246	20	**Kursk** - USSR
1223	245.3	1	**Common freq** - Port.
—	245.3	20	**La Voz de Madrid** - Spain
—	245	20	**Stara Zagora** - Bulgaria
—	245.2	1	**Emissores Reunidos do Norte** - Port.
—	245.3	100	**Falun** - Sweden
1232	243.5	50/120	**R. International** - Tangier
—	243	100	**Kosice** - Czechoslov.
—	243	100	**Orava** - Czechoslov.
1236	242.7	0.25	**R. Aden** - Aden
1241	242	20	**Vaasa** - Finland
—	242	20/1	**7 stations** - France
—	242	10	**Odessa** - USSR
—	242	20	**Tiraspol** - USSR
1250	240	5	**Dublin, Cork** - Eire
—	240	135	**Nyiregyhaza** - Hungary
—	240	0.2/0.8	**Low power st.** - Spain
—	240	6	**R. SEU** - Spain
—	240	2	**R. Juv. Vizcaya** - Spain
1255	239	1	**R. Avila** - Spain
1258	238	0.35	**R. Asturias Oviedo** - Spain

kc/s	Metres	kW	Stations
1259	238.3	150	**Courier (VOA)** - Greece
—	238.3	5	**R. Valencia** - Spain
—	238.3	50	**Szczecin** - Poland
1268	236.6	100	**Novi Sad** - Yugosl.
1277	235	100	**Strasbourg II** - France
—	235	1	**Tel Aviv** - Israel
1286	233	100	**Praha 2** - Czechosl.
—	233	2	**R. Renascenca** - Portugal
1295	231	100	**BBC European Serv. (Norden Osterl.)**
—	231	0.25	**Rabat I** - Morocco
—	231	1	**R. Coruña** - Spain
1300	230.7	1	**Athens FBS** - Greece
—	230	1	**Low power st.** - Spain
—	230	2	**La Voz de Alicante** - Spain
1304	230	20	**Constantine II** - Algeria
—	230	40	**Oran II** - Algeria
—	230.0	0.25/1	**6 low power st. AFN** Germany
—	230	0.8	**Low power st.** - Spain
—	230	10	**Lodz** - Poland
1307	229	0.8	**R. Juv. Murcia** - Spain
1313	228.1	100	**Stavanger** - Norway
—	228.5	0.2	**R. Las Palmas** - Canary Isl.
1322	226.9	0.15	**Angra do Heroismo** Azores
—	226.9	100	**Leipzig (Relay R. Moscow)**
—	226.1	1	**R. Ribatejo** - Port.
—	226.9	100	**Kharkov II** - USSR
—	226.9		**Low power st.** - Spain
1325	226	0.1	**R. Chelva** - Spain
1331	225.4	0.2/1/20 25/50/80	**9 stations (RAI)** - Italy
—	225.4	1	**R.Salamanca** - Spain
1336	224.6	1	**Haifa** - Israel
1340	224	150	**Crowborough** - Gt. Britain
—	223.8	5	**4 syncr. st.** - Hung.
1349	222	20/10	**Synchronized netw. 5 st.** - France
—	222.4	20	**Madona** - USSR
—	222.4	20	**Kuldiga** - USSR
—	222.4	0.5	**R. Juv de Sabadell** - Spain
1350	222	0.1	**Roda de Ter** - Spain
1358	220.9	50	**Tirana** - Albania
—	221	0.1	**Elvas** - Portugal
—	220.9	2	**Faro** - Portugal
—	221	20	**Bremen** - Germany
1360	220.6	0.8	**R. Juv. Albacete** - Spain
1367	219.5	0.25/1	**Syncr. low power st.** - Italy
—	219.5	5	**Thorshavn** - Faroe Islands
—	219.5	5	**Milano III** - Italy
—	219.5	50	**Wroclaw** - Poland
—	219.5	24	**Bydgoszcz** - Poland
—	219.5	0.5	**Basel, Chur, Saviese, Sool** - Switzerland
—	219.5	2	**Coimbra** - Portugal
—	219	0.8	**Low power st.** - Spain
1370	217	0.1	**R. Vendrell** - Spain
1375	218.0	0.25	**Low power st.** - Spain
1376	218	150	**Lille I** - France
1383	216.6	1	**Valencia** - Spain
1385	217	150	**Kaunas** - USSR
—	217	1	**R. Vitoria** - Spain
1390	215.8	1	**Jerusalem** - Israel
—	215.8	2	**R. Juv. de Zaragoza** Spain
1392	215.5	0.8	**R. Juv. de Menorca** Spain
1394	215.2	25	**Graz I** - Austria
1394	215.2	0.1	**Low power st.** - Austria
—	215.2	0.25	**Bitburg AFN** - Germany
—	215.2	5	**Rhodes** - Greece
—	215.2	1.5/0.2	**11 low power st.** - Sweden
1398	214.5	1	**R. Cantabria** - Spain
1400	214.2	0.2	**R. Orihuela** - Spain
—	214.2	0.1	**La Voz de Granada** Spain
1403	213.8	0.35	**Low power st.** - Spain
—	214	10/20	**5 stations** - France
—	213.8	5	**Comotini** - Greece
—	213.8	20	**Tartu** - USSR
1408	213	5	**R. Oviedo** - Spain
—	213	0.4	**La Voz de la Costa Brava** - Spain
1412	212.4	3	**Bad Mergentheim (SDR)** - Germany
—	212.5	0.2	**Low power st.** - Spain
—	212.5	1	**R. Reus** - Spain
—	212	5	**Maribor** - Yugosl.
—	212	20	**Pristina** - Yugosl.
—	212	15	**Rijeka** - Yugoslavia
—	212.4	0.8	**Dubrovnik** - Yugosl.
—	212	0.4	**R. Club Tenerife** - Canary Islands
1415	212	0.8	**R. Palencia** - Spain
1420	211	7.5	**Benghazi (F.B.S.)** - Libya
—	212.5	0.25	**Søndrestrøm (AFRS)** Greenland
1421	211.2	2	**Athens III** - Greece
—	211.2	5	**Alger III** - Algeria
—	211.1	5	**Tjernobov** - USSR
—	211.1	20	**R. Saarbrücken** - Saar
1425	210	0.2	**R. Utiel** - Spain
—	210.5	1	**Thule (AFRS)** - Greenland
1429	210	1	**R. Juv. dé Campo de Gibraltar** - Spain
1430	210	10	**Herstedvester** - Denmark
—	210	5	**R. Mallorca** - Spain
—	210	70	**Skive** - Denmark
1435	210		**low power st.** - Spain
1439	208	150	**R. Luxembourg II** - Luxembourg
1440	208		**low power st.** - Spain
—	208	1	**R. Sagunto** - Spain
1442	208	0.2	**low power st.** - Spain
1447	207.0	0.2	**R. Cordoba** - Spain
1448	207.2	2/5/10/20	**6 stations (RAI)** - Italy
—	207.2	0.04	**low power st. RAI** Italy
—	207.2	9/2/1	**5 stations** - Spain
—	207.2		**low power st.** - Spain
—	207.2	1	**Guarda** - Portugal
—	207.2	0.5	**Gävle** - Sweden
—	207.2	1.5	**Hudiksvall** - Sweden
—	207.2	2	**Västerås** - Sweden
—	207.2	1.5	**Örnsköldsvik** - Sweden
1449	207.0	0.2	**R. España Genova** - Spain
1450	207.0	1/0.8	**2 stations** - Spain
1457	206.0	0.55	**low power st.** - Austria
—	206	2	**Redruth** - Gt. Brit.
—	206	20	**Clevedon** - Gt. Brit.
—	206	10	**Bartley** - Gt. Brit.
—	206	2	**Brighton** - Gt. Brit.
—	206	1	**Folkestone** - Gt. Brit.
—	206	2	**Bexhill** - Gt. Brit.
—	205.9	20	**Craiova** - Rumania
1466	205	120	**Monte Carlo** - Monaco
1466	204.6	0.25	**Sandnessjöen** - Norway
—	204.6	0.25	**Geilo** - Norway
—	204.6	1	**Narvik** - Norway
—	204.6	0.25	**Odda** - Norway
—	204.6	0.25	**Porsgrunn** - Norw.
—	204.6	0.25	**Svalbard** - Norway
1475	203.4	0.2/0.5	**low power st.** - Spain
—	203	25	**Wien I** - Austria
1480	203.4	0.2	**low power st.** - Spain
1484	202.2	0.2	**St. Pölten** - Austria
—	202.2	0.2	**Bone** - Algeria
—	202	2	**København** - Denm.
—	202	0.25	**Aalborg** - Denmark
—	202	0.25	**Tønder** - Denmark
—	202	1	**Helsinki II** - Finl.
—	202	1	**Pietarsaari** - Finl.
—	202	1	**Pori** - Finland
—	202	0.2	**Tammisaari** - Finl.
—	202	1	**Tampere** - Finland
—	202	0.2	**Turku II** - Finland
—	202	0.05/1	**low power st.** - France
—	202.2	2	**Faro** - Portugal
—	202	2	**Barrow** - Gt. Brit.
—	202	2	**Ramsgate** - Gt. Brit.
—	202.2	0.2	**Volos** - Greece
—	202.2	5	**Freies Berlin** - Germany
—	202.2	0.2	**low power st. (SDR)** Germany
—	202.2	0.25	**Keflavik (AFRS)** - Iceland
—	202.2		**low power stations** - Italy
—	202.1	1	**R. Madeira** - Madeira Isl.
—	202.2	0.025	**Mosjöen** - Norway
—	202.2	0.25	**Rjukan** - Norway
—	202.2	0.25	**Brönnöysund** - Norway
—	202.2	30	**Gdansk** - Poland
—	202.2		**Bucuresti II** -
—	202	2/0.8	**low power st.** - Rumania
—	202.2	1/2	**low power st. B. R.** Germany
—	202.2	0.2	**low power st.** - Spain
—	202.5	5	**Vatican Radio** - Italy
—	202	2/0.8	**low power st.** - Yugoslavia
—	202	1	**R. Extremadura** - Spain
—	202	2	**Tatry** - Czechoslov.
—	202.2	7.5	**Tripoli (FBS)** - Libya
—	202	1	**Port Lyauteau (AFRS)** - Fr. Mor.
1487	202.2	1	**R. Rioja** - Spain
1490	201	0.5	**R. Requena** - Spain
—	201	0.8	**R. Alcoy** - Spain
1492	201.1	0.2/0.4	**low power st.** - Spain
1493	201	1	**R. Pontevedra** - Spain
—	201	0.18	**Besançon** - France
—	201	20	**Gomel** - USSR
—	201	0.015/0.05	**low power st.** - Austria
1495	201.0	0.2	**R. Cadiz** - Spain
1496	200.5	0.005	**R. Altitude** - Port.
1500	200	0.3	**R. Habbeniya (B.F.S.)** - Iraq
—	200		**Isfahan** - Iran
—	200		**Meshed** - Iran
—	200	0.4	**Kurdestan** - Iran
—	200	0.5	**Anmagssalik** - Greenland
—	200	0.2	**low power st.** - Spain
—	200	2/1	**4 stations** - Spain
1500	200	2	**R. Atlantico** - Canary Islands
1502	199.7	0.25	**low power st. AFN** - Germany

kc/s	Metres	kW	Stations
1502	199.7	10	**Krakow** - Poland
—	199,7	30	**Rzeszow** - Poland
—	199.7	0.4	**Münster (W.D.R.)** - Germany
—	199.7	0.2	**low power st.** - Spain
1511	198	0.8/0.2	**Low power st.** - Spain
—	198.5	20	**Bruxelles III** - Belg.
—	198.5	0.3	**Patras** - Greece
—	198.5	5	**Chania** - Greece
1520	197.4	5	**Ceske Budejovice** - Czechoslovakia
—	197.4	15	**Karlovy Vary** - Czechoslovakia
—	197.4	20/5	**Ostrava** - Czechosl.
—	197.4	15	**Praha 2** - Czechosl.
1525	196.7	5	**R. Alerta** - Spain
1529	196.2	0.075	**Porjus** - Sweden
—	196.2	0.06	**Söderhamn** - Sweden
—	196.2	1.5	**Umeå** - Sweden
—	196.2	100	**Vatican Radio**
—	196.2	1	**Funchal** - Madeira
1530	196	0.1	**R. Picasent** - Spain
1535	195.4	0.4	**R. Carlet** - Spain
1538	195	20	**Bad Dürrheim (SWF)** - Germany
1538	195	40	**Ravensburg (SWF)** Germany

kc/s	Metres	kW	Stations
1538	195	10	**Reutlingen (SWF)** Germany
1543	195	0.2	**R. Palencia** - Spain
1546	194	0.25/1	**syncr. low power st.** Gt. Britain
—	194	5	**Vinnitsa** - USSR
1550	193.5	0.2/0.6	**low power st.** - Spain
1554	193	60	**Nice I** - France
—	193	0.8	**R. Lerida** - Spain
—	193.1	20	**Baranovitji** - USSR
1562	192	1	**Porto II** - Portugal
—	192.1	2/0.25	**8 low power st.** - Sweden
1570	191.1	1.5	**Flensburg (N.D.R.)** Germany
—	191.1	2	**Lingen (N.D.R.)** - Germany
—	191.1	5	**Michelet** - Algeria
—	191	0.2	**R.Tarragona** - Spain
1571	191	0.08	**SantaMaria** - Azores
1575	190	0.1	**R. Monovar** - Spain
1578	190.1	0.04	**low power st.** - Italy
—	190.1	10	**Fredrikstad** - Norw.
1579	190	0.2	**R.Tarragona** - Spain
1585	189	1	**Wheelus Field (AFRS)** - Libya

kc/s	Metres	kW	Stations
1586	189.1	3/5	**4 stations N.D.R.** - Germany
—	189.1	20	**Hannover (N.D.R.)** - Germany
—	189.1	40	**Oldenburg (N.D.R.)** Germany
1594	188.2	0.6	**Bougie** - Algeria
—	188	2	**Esbjerg** - Denmark
—	188	0.05/2	**2 low power st.** - France
—	188	5	**3 stations** - Holland
—	188	0.15/1	**Lisboa** - Portugal
—	188	0.1	**4 AFRS st.** - French Morocco
—	188		**Pan American R. Intercontinental** - Tangier
—	188	30	**Bialystok** - Poland
—	188	0.5	**Funchal** - Madeira
1595	188	0.8	**R. Juv. de Baza** - Spain
1602	187	0.4/20/40	**4 stations B. R.** - Germany
1640	180.5	0.01	**Zweibrücken (Canadian Forces Network)** - Germany
1875	160	0.1	**R. Berja** - Spain

WORLD RADIO BULLETIN

A supplement to the WRH, which fortnightly will bring you the latest news from broadcasting stations all over the world: New stations, changes of frequencies, hours of transmission and povers etc,

By help of the WR-bulletin you will be able to keep the contents of the WHR up to date and the WR-bulletin will give the broadcastning organizations a valuable knowledge of the activity of other broadcasting organizations.

The WR-bulletin acts as a valuable link between broadcasters and listeners.

The prices are:

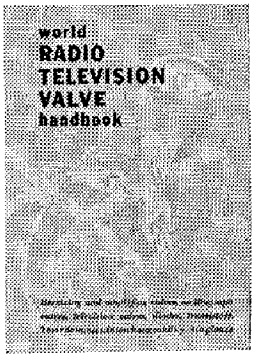
By airmail: Annually Danish Kr. 36.-, £ 2/-/-, $ 5,50, DM 22.00 or Frcs. 1800. Quarterly: Danish Kr. 10.-, £ 0/11/-, $ 1,50, DM 6,00, Frcs. 500.-.

By ordinary mail: Annually: Danish Kr. 22.-, £ 1/6/0, $ 3,50, DM 15.00, Frcs. 1100. Quarterly: Danish Kr. 6.00, £ 0/7/0, $ 1,25, DM 4,25 or Frcs. 300.-.

Order the WR-bulletin:

WORLD RADIO HANDBOOK

Lindorffsalle 1, Hellerup, Denmark



A NEW WORLD WIDE REFERENCE BOOK

World Radio Television Valve Handbook

gives the radio engineer and the radio technician *at a glance* the correct answer to any practical question concerned with receiving and amplifying valves, T.V. and cathode-ray valves, crystal diodes and transistors of any make

DATA, REPLACEMENT OR SUBSTITUTE VALVES, CLASSIFICATION, BASE AND PIN CONNECTIONS

Price: Dan. Kr. 13.50 - £ 0/13/6 - $ 2.50 - DM 09.00 - Fr. 675 plus postage.

Published by
World Radio Handbook, Lindorffsalle 1, Hellerup, Denmark

SHORT WAVE STATIONS OF THE WORLD

kc/s	m	kW	Call	Stations and countries	Rem.
2240	133.9	1	YDB	Djakarta, Indonesia	
2320	129.3	0.35	YDM6	Sibolga, Indonesia	
2330	128.5	0.3	YDI6	Djember Indonesia,	
	127.5	1	YDJ3	Jogjakarta, Indonesia	
2340	128.2	0.5	ZYV30	R. Dif. Brasileira, Brazil	
2360	126.9	0.25	YVQG	R. Carupano, Venezuela	
2370	126.5	0.25	YDI3	Surabaya, Indonesia	
2390	125.5	0.1	YDN	Kotaradja, Indonesia	
	125.5	0.3	YDA6	Tjirebon, Indonesia	
	124.0	0.25	YDA2	Bandung, Indonesia	
2430	123.5	1	YDK2	Palembang, Indonesia	
2440	122.9	1	YDG2	Surakarta, Indonesia	
	122.9	1	HI3C	La Romana, Dom. Rep.	
	122.9	1	YVLG	R. Girardot, Venezuela	
2442	122.7	0.5	4XB51	Tel Aviv, Israel	
2460	122	1	YDB	Djakarta, Indonesia	
	122	0.25	YDQ	Makassar, Indonesia	
2475	121.2	0.5	RAU2	R. Angkatan Udara, Indonesia	
2480	120.9	1	YDL2	Padang, Indonesia	
	120.9	5	YVMK	R. Cabimas, Venezuela	
	121	0.5		R. Cultura, Brazil	
2490	120.5	0.15	YDH	Semarang, Indonesia	
	120.5	20	YDP2	Medan, Indonesia	
2500	120.	0.5	MFS	Teddington, Gt. Britain	
	120	1	WWV	Washington, USA	
	120	1	JJY	Tokyo, Japan	
	120	2	LDL	Buenos Airos, Argentina	
2510	119.5	10	HLKA	Seoul, S. Korea	
2695	111	0.25		Ft. Buckner, Okinawa	
3205	93.60	10	YDA	Bandung, Indonesia	
	93.60	25		Simla, India	
3214	93.34	1	YDS	Menado, Indonesia	
3220	93.18	3.5	BED291	Taipei, Taiwan	
3222	93.11	7.5	CR7BM	R. Clube de Mozambique	
3223	93.09	0.1	YDX	Tdj. Pinang, Indonesia	
3232	92.82	0.3	YDM	Bukitinggi, Indonesia	
	92.82	1.5		R. AEF, French Equat. Afr.	
	92.82	5	FIQA	R. Tananarive, Madagascar	
3240	52.59	0.5	OBX4U	R. America, Peru	
3241	92.56	1	YDU2	Denpasar, Indonesia	
3245	92.44	1	YVKT	R. Libertador, Venezuela	
3250	92.31	10	HJGO	R. Sutatenza, Colombia	
	92.31	1	YDO	Bandjarmasin, Indonesia	
3255	92.15	2	ZFY	R. Demarara, Br. Guiana	
	92.15	0.04		R. Montserrat, Leeward Isl.	
	92.15	1	YVQL	La Voz de El Tigre, Venez.	
	92.15	0.3		Beira, Mozambique	
	92.17	0.5	ZYR62	R. Clube de Marilia, Brazil	
3259	92.05	5	YDH2	Semarang, Indonesia	
3265	91.88	1	YVOC	Ecos del Torbes, Venezuela	
	91.87	1	ZYR31	R. Tamandare, Brazil	
3275	91.60	0.5	VP4RD	R. Trinidad, Trinidad	
	91.60	0.7	YVMC	R. Mara, Venezuela	
	91.60	1	ZYR31	Bauru R. Clube, Brazil	
3277	91.55	1	YDD	Djakarta, Indonesia	
	91.55	0.3	DYB4	Dumaguete City, Philipp.	
	91.55	1		Shrinagar, Kashmir	
3285	91.32	1	HI7T	La Voz Dominicana, Dom. R.	
	91.32	1	YVLE	R. Puerto Cabello, Venezuela	
3285	91.32	1	ZYR44	R. Aparecida, Brazil	
3286	91.29	0.3	YDG6	Madiun, Indonesia	
3288	91.24	4		R. Tchad, Fr. Equat. Africa	
3290	91.19		OAX6X	R. Continental, Peru	
3292	91.10	1		Mindanao, Philippines	
3295	91.00	0.15	YDY	Samarinda, Indonesia	
	91.00	1	YVOG	R. Trujillo, Venezuela	
3297	91.00	16	HNC	Baghdad, Iraq	
3300	90.85	5	VPN	Belize, Honduras (Br.)	
3305	90.77	0.25/10	VUC	AIR, Calcutta, India	
	90.77	1	DZCA	Voice of Civil Defense, Phill.	
	90.77	2	YVKX	La Voz de la Patria, Venez.	
3315	90.50	3	VQ7LO	Nairobi, Kenya	
	90.50	1.2	YVLI	R. Maracay, Venezuela	
	90.50	20		Paradys, S. Africa	
	90.23	0.3	YDZ	Ternate, Indonesia	
	90.23	0.25	HC1GB	R. Nac. Espejo, Ecuad.	
	90.23	0.25	YVRA	R. Monagas, Venezuela	
	90.23	1	ZYJ21	R. Borborema, Brazil	
3326	90.20	7.5		Kaduna, Nigeria	
3330	90.09	0.3	CHU	Dominion Observat., Canada	
	90.09	0.5	OAX1M	R. Progreso, Peru	
3335	89.95	0.5	ZYR59	A Voz do Sertao Brazil.	
3339	89.90			Voice of Zanzibar, Zanzibar	
3340	89.82	1	YVMU	R. Carora, Venezuela	
3345	89.69	0.2	HI2S	Onda Musical, Dom. Rep.	
	89.69	2.7	YVKP	R. Tropical, Venezuela	
	89.69	2	DZB2	"The Call of Orient", Phil.	
	89.69	1	YDW	Pontianak, Indonesia	
	89.68	1	ZYN22	R. Cultura, Brazil	
3350	89.50	0.3	OAX5J	R. Independencia, Peru	
3355	89.42	0.5		R. Noumea, N. Caledonia	
	89.42	1	YDI	Surabaya, Indonesia	
	89.42	1	YVLD	R. Valencia, Venezuela	
	89.42	0.5	HI3H	La Voz de la Alegria, Dom. R.	
	89.42	0.09	TGZB	R. Programas de Guatemala	
3356	89.39	20		Paradys, S. Africa	
3360	89.25	5	ZQI	Kingston, Jamaica	
3365	89.15	5/100	VUD	AIR, Delhi, India	
	89.15	1		Iloilo City, Philippines	
3366	89.12	5		Accra, Gold Coast	
3375	88.89	0.5	HI4V	La Voz del Sur, Dominican R.	
	88.89		YDV	Kupang, Indonesia	
	88.89	0.5	YVMI	La Voz de la Fé, Venezuela	
3376	88.86	20		Paradys, S. Africa	
3380	88.76		OAX1D	R. Chiclayo, Peru	
	88.76	1.5		St. Denis, Reunion	
	88.76	0.2	HC5JC	La Voz de Salcedo, Ecuador	
3385	88.63	0.5	HI5B	Santiago, Dom. Rep.	
	88.63	1	YVQI	Emis. Unidas, Venezuela	
	88.63	0.25	HC4JP	Ondas Manabitas, Ecuador	
	88.63	1	ZYA41	R. Eldorado, Brazil	
3386	88.60	1	FIQA	R. Tananarive, Madagascar	
3390	88.50	0.25	OQ2AC	R. College, Belg. Congo	
3395	88.37	1	YDR2	Ambon, Indonesia	
	88.37	1.5	YVOJ	R. Universidad, Venezuela	
	88.37	0.5		R. Sorong, Sorong	
	88.37	5		Granada, Windward Isl.	
3396	88.36	7.5		Salisbury, S. Rhodesia	
3400	88.24	0.75	CR6RK	R. Clube do Sul, Angola	
3425	87.59	5	CR8AB	R. Goa, Port. India	
3440	87.21	7.5	CR7BM	R. Clube de Mozambique	
3521	85.23	0.6		Niassa, Mozambique	
3775	79.47	10	YDI	Surabaya, Indonesia	
3800	78.95	0.25		Tokyo (FEN), Japan	
3803	77.80			La Voz de los Lagos, Otavalo,	
3914	76.60	2.5	ZQP	Lusaka, N. Rhodesia	
3915	76.64			Peking, China	
3925	76.43	10	JOZ	Tokyo, Japan	
3935	76.24	7.5	YDB4	Djakarta, Indonesia	
3940	76.15	2.5	ZBW3	R. Hong Kong, Hong Kong	
3945	76.05	0.25/10	VUB	AIR, Bombay, India	
	76.05	7.5	DZB3	Manila, Philippines	
3950	75.95	0.3	DXH2	Davao City, Philippines	
	75.95		HC1JH	R. Turismo, Ecuador	
3952	75.90	15/100	MCM	BBC, Gt. Britain	
	75.90	0.375	CR7RA	R. Pax, Mozambique	
3955	75.85	5/25/50/100		Vatican City, Italy	
	75.85	0.3	HC5LR	La Voz de Alausi, Ecuador	
3960	75.76	0.08	CR4AB	Radio Clube Mindelo, Cap Verde Islands	
	75.76	10	YDL3	Padang, Indonesia	
	75.76			Peking, China	
	75.76	20	EQO	R. Teheran, Iran	
	75.76	10/100		R. Free Europe, Germany	
	75.76	0.2	HC2JJ	E. Ecos el Agro, Ecuador	
3965	75.67	2.5		Enugu, Nigeria	
3970	75.57			Magadan, USSR	
	75.57	0.3	HCYHV	La Voz Jipijapa, Ecuador	
3975	75.48	1	CQM	Emis. da Guiné, P. Guinea	
	75.48	15/100	GRC	BBC, London, Gt. Britain	
3980	75.38	0.5	VRH4	Suva, Fiji Islands	
	75.38	5/100	VUD	AIR, Delhi, India	
3990	75.19	2.5/10/20		R. Liberation, Germany	
	75.19	3		Djeddah, Saudi Arabia	
	75.19	0.25	HC5JA	R. Atenas, Ecuador	
3995	75.09			RAI, Roma, Italy	
	75.09	1		Ibadan, Nigeria	
	75.09	0.2	HC4GB	R. Nac. Espejo, Ecuador	
4000	75.00	0.25	HC5AO	La Voz del Tomebamba, Ec.	
	75.00	2	JJY	Tokyo, Japan	
4200	71.43			Sinkiang, China	
4220	71.09			Sinkiang, China	
4305	69.68		HC1TA	R. Escuelas Radiales Lita, Ec.	
4450	67.40		HC8EC	R. C. Vinces, Ecuador	
	67.40		HC2VM	La Voz del Milagro, Ecuador	
4465	67.19	15/100		Moscow, USSR	

kc/s	m	kW	Call	Stations and countries	Rem.
4500	66.67			Sinkiang, China	
	66.66	0.2	HC2HG	R. Em. Central, Ecuador	
4550	66.23	15/100		Moscow, USSR	
4575	65.70		HC4ME	R. Nac. Espejo, Ecuador	
4634	64.74	15/100		Moscow, USSR	
4640	64.70		HC2VP	R. Atalaya, Ecuador	
4650	64.52	1	HC2AJ	R. Dif. del Ecuador	
4675	64.17	15/100		Moscow, USSR	
4705	63.49	0.2	HC4MX	R. Cenit, Ecuador	
4710	63.78		HC5HN	R. Hermig, Ecuador	
4725	63.60		HC2VT	La Voz del Tropico Quevedo, Ecuador	
4730	63.50		HC4FF	La Voz de Esmeraldas, Ecuad.	
4735	63.36	2	ZYF23	R. Dif. do Maranhao, Brazil	
4740	63.23	1	YSC	Ondas Populares y Deportivas El Salvador	
		4750–5060 kc/s – 60 metre band.			
4750	63.15	0.25	HC5HM	R. Amazonas, Ecuador	
	63.15	0.35	PZH5	Paramaribo, Surinam	
4755	63.09	0.3	HC6LJ	Voz de Bolivar, Ecuador	
	63.10	1/5	ZYY3	R. Brazil, Brazil	
4760	63.03	0.25	YVKY	Emis. Vargas, Venezuela	
	63.03	0.25	HC4FA	Voz de Manabi, Ecuador	
4765	62.97	3	HJEL	R. Dif. de Occidente, Col.	
4770	62.89	0.5	OAX2G	R. Cajamarca, Peru	
	62.89	1	CR6RG	R. Diamang, Angola	
	62.89	1	YVMW	Ondas del Caribe, Venezuela	
	62.89		HC5FC	R. Deportiva Chimborazo, Ecuador	
	62.89	5	HC1GB	R. Nac. Espejo, Ecuador	
	62.84	5	ZYR81	R. Progresso, de Sao Paulo, Brazil	
4780	62.76	5	ZHL7	Singapore, Malaya	
	62.76	1	YVLA	Voz de Carabobo, Venezuela	
	62.76	0.2	HC4DP	Voz de Chone, Ecuador	
	62.76	0.2	HC1LC	R. Atahualpa, Ecuador	
	62.76	2.5		Pusan (VUNC), Korea	
	62.76	1		R. Djibouti, Fr. Somaliland	
	62.76	1	YSU	R. Mil Cincuenta, El Salv.	
4785	62.70	10	HJKD	Em. Nuevo Mundo, Colomb.	
	62.70	0.5	ZYM8	R. Ribamar, Brazil	
	62.70	0.5	ZYY20	R. Dif. do Gúapore, Brazil	
4789	62.65	0.25	HC4AS	Voz de los Caras, Ecuador	
4790	62.63	7.5	YVQN	Ondas Porteñas, Venezuela	
4795	62.54	0.25		R. Zanzibar	
	62.54	1	HJFU	Voz del Comercio, Colomb.	
	62.54	1.5	ZOY	R.A.E.F., Fr. Equat. Af.	
4800	62.50	20		Lagos, Nigeria	
	62.50	1	YSDR	R. Tropical, Salvador	
	62.50	20		Paradys, S. Africa	
	62.50	7.5	YVMF	Ondas del Lago, Venezuela	
	62.43	1	ZYS8	R. Dif. do Amazonas, Brazil	
4807	62.40	10/50		Karachi, Pakistan	
	62.40	7.5		Dacca, Pakistan	
	62.40	1		Lahore, Pakistan	
	62.40	1	CR5SC	R. Clube de Sao Tomé, Port. W. Africa	
4810	62.37	2	YVNG	R. Popular, Venezuela	
	62.37	0.25	HC3RC	R. Coro Santa Cecilia, Ec.	
4815	62.34	1	HJKC	Voz de Cucuta, Colombia	
	62.34	0.25	HC4DC	R. Cenit, Manta, Ecuador	
	62.34	1	PRD3	Petropolis R. Dif. Brazil	
4820	62.24	5	ZHL10	Singapore, Malaya	
	62.24	1.5		St. Denis, Reunion	
	62.24	1	YVRC	Voz de Apure, Venezuela	
	62.24	5	YSABC	R. Emisora Salvadoreña, El Salvador	
4825	62.18	1	HJHC	R. Nariño, Colombia	
	62.18	0.25	HC2ET	R. El Telegrafo, Ecuador	
	62.18	0.5	ZYE7	R. Educadora de Paranaiba, Brazil	
4826	62.16	15	ZQP	Lusaka, N. Rhodesia	
4829	62.11	10	CR7BV	R. Clube de Mozambique, M.	
4830	62.10	5	YVOB	Voz del Tachira, Venezuela	
	62.10	1	HSK	R. Thailand, Thailand	
4835	62.05	10	HJKE	R. Continental, Colombia	
	62.05	10	ELWA	Monrovia, Liberia	
	62.05	0.5	ZYV37	R. Soc. Triangulo, Brazil	
4840	61.98	0.25/10	VUB	AIR, Bombay, India	
	61.98	1.5	YVOI	R. Valera, Venezuela	
	61.98	10	YDU	Denpasar, Indonesia	
	61.98	0.5	YSCB	La Voz del Pacifico, El Salv.	
4842	61.96	0.2	CR6RO	Silva Porto, Angola	
4845	61.92	1	HJGF	R. Bucaramanga, Colombia	
	61.92	1	ZYM8	R. Dif. Teresina, Brazil	
4850	61.86	3	YVMS	R. Universo, Venezuela	
	61.86	0.25	HC3CV	Ond. del Zamora, Ecuador	
4851	61.84	1	CR6RQ	Nova Lisboa, Angola	
4855	61.79	0.25	CP39	R. Cobija, Bolivia	
	61.79	10	HJFV	R. Neiva, Colombia	
	61.79	10	YDK	Palembang, Indonesia	
	61.79	1		R. Dif. Taubaté, Brazil	
4860	61.73	0.3	OCX4B	R. El Pueblo, Peru	
	61.73	1	YVPA	R. Yaracay, Venezuela	
4865	61.66	1	CSA93	Ponta Delgada, Azores	
	61.66	1	HJFA	Voz de Pereira, Colombia	
	61.66	10	YDR	Ambon, Indonesia	
	61.66	2	PRC5	R. Clube do Para, Brazil	
4869	61.60	1	CR6RN	R. Club de Angola, Angola	
4870	61.60	7.5		Colombo, Ceylon	
	61.60	0.25	HC4DR	R. Miramar, Ecuador	
	61.60	4		R. Cotonou, Dahomey	
4875	61.54	0.25	HI5C	La Voz del Progreso, Dom. R.	
4878	61.50			Thai Army R., Thailand	
4880	61.48	0.25/10	VUC	AIR, Calcutta, India	
	61.48	12	YVKF	Ond. Populares, Venezuela	
	61.48	10	YDG	Surakarta, Indonesia	
4885	61.41	5	VQ7LO	Nairobi, Kenya	
4890	61.35	10	YVKB	R. Dif. Venezuela	
	61.35	15/100		Moscow, USSR	
	61.35	3	HC1MI	R. Gran Colombia, Ecuador	
	61.35	7.5	CR8AB	Emisora de Goa, Goa	
4893	61.32	4		Dakar, Reg. Fr. W. Africa	
4895	61.29	20		Paradys, S. Africa	
	61.29	2.5	PRF6	R. Baré, Brazil	
4897	61.25	10	VLX4	Perth, Australia	
4900	61.22	0.25	VPO	Belize, Br. Honduras	
	61.22	0.25	HC1IM	La Voz de Imbabura, Ecuad.	
	61.22	1	YVQE	R. Bolivar, Venezuela	
	61.22	0.02	TGLAB	R. Victoria, Guatemala	
4905	61.16	1	HJAG	Emisora Atlantico, Colomb.	
	61.16	5		R. Relogio, Brazil	
4907	61.12	2.5		R. Cambodge, Cambodia	
4910	61.10	0.3	YDB2	Djakarta, Indonesia	
	61.10	5	JKI	Tokyo, Japan	
	61.10	1		Conakry, Guinea (French)	
	61.10	0.5	HI9B	Santiago, Dom. Rep.	
	61.10	0.2	HC1AR	Voz de Montúfar, Ecuador	
	61.10	0.1	CX28	R. Imparcial, Uruguay	
	61.10	0.1	CW43	R. Internacional, Uruguay	
4915	61.04	1	HJEQ	Voz de Cauca, Colombia	
	61.04	1.3/20	ZOY	Accra, Gold Coast	
	61.04	1.5	ZYE	R. Dif. de Macapa, Brazil	
4917	61.00	7.5	CR7BU	R. Club de Mozambique, M.	
4920	60.98	0.2	HC6JK	R. Cultur. Relig., Ecuador	
	60.98	10	VLM4	Brisbane, Australia	
	60.98	0.25/10	VUM	AIR, Madras, India	
	60.98	7.5	YVKR	R. Caracas, Venezuela	
4923	60.92	5	ZHW4	Mombasa, Kenya	
4924	60.92	1	CR6RR	R. Diamang, Angola	
4925	60.91	1	HJAP	R. Colonial, Colombia	
	60.40	1	ZYA36	R. Industrial, Brazil	
4930	60.85	7.5		F.B.S., Benghazi, Libya	
	60.85	7.5	YDP	Medan, Indonesia	
	60.85	0.25	HC1RC	R. Casa de la Cultura, Ec.	
4932	60.82	0.2	CR6RP	Novo Redondo, Angola	
4934	60.80	7.5	ZHW2	Nairobi, Kenya	
	60.79	10/50		Karachi, Pakistan	
4935	60.80	1	ZYI21	R. Poti, Brazil	
4940	60.73	2	YVMO	R. Occidental, Venezuela	
4941	60.72	1	CR6RS	R. Diamang, Angola	
4943	60.70	0.5	ZHW6	Kisumu, Kenya	
	60.72	10		Colombo, Ceylon	
4945	60.67	1	HJCW	Emis. Sur America, Colomb.	
	60.67	3	YDA3	Bandung, Indonesia	
	60.67	20		Paradys, S. Africa	
4950	60.60	5	ZQI	Kingston, Jamaica	
	60.60	1	YVMM	R. Coro, Venezuela	
4955	60.54	3	CR6RZ	R. Angola, Angola	
	60.54	10		R. Abidjan, Ivory Coast	
4958	60.50	2		Baku, USSR	
4960	60.48	5/100	VUD	AIR, Delhi, India	
	60.48	1	YVQA	R. Sucre, Venezuela	
	60.48	0.25	HC5HP	Ondas Ecuatorianas, Ecuad.	
4965	60.42	1	ZYP20	R. Copacabana, Brazil	
	60.42	10	HJAF	Emis. Fuentes, Colombia	
4970	60.36	7.5	YVLK	R. Rumbos, Venezuela	
	60.36	0.2	HC2MD	La Voz de la Insula, Ecuador	
	60.36	7.5		Colombo, Ceylon	
4975	60.30	4		R. Yaounde, Cameroon (Fr.)	
	60.30	2.5	ZYY9	R. Timbira, Brazil	
4977	60.28	1	CR6RI	R. Diamang, Angola	

kc/s	m	kW	Call	Stations and countries	Rem.
4978	60.27	4		R. Mogadiscio, I. Somalil.	
4980	60.25	0.25	OQ2AC	R. College, Belgian Congo	
	60.25	3	OQ2AD	U.F.A.C., Belgian Congo	
	60.25	0.25	HI3K	Ondas del Yague, Dom. R.	
	60.25	0.25	HC5JE	Ondas Azuayas, Ecuador	
4985	60.18	1	YDN2	Kotaradja, Indonesia	
	60.19	0.5	ZYZ5	A Voz de Oeste, Brazil	
4990	60.12	0.04	ZCQ3	Victoria, Seychelles	
	60 12	15	YVMQ	R Barquisimeto, Venezuela	
	60.12		HC3DC	Ondas Castellena, Ecuador	
	60.12	5/100		AIR, Delhi, India	
	60.12	0.3		Ibadan, Nigeria	
4995	60.06	10		Petrozavodsk, USSR	
5000	60.00	0.5	MSF	Teddington, Gt. Britain	
	60.00	2	WWVH	Puunene, Hawaii	
	60.00	1		Kuwait, Kuwait	
	60.00	8	WWV	Washington, USA	
	60.00	1	JJY	Tokyo, Japan	
	60.00	2	LOL	Buenos Aires, Argentina	
	60.00	6		Omdurman, Sudan	
5010	59.88	7.5		F.B.S. Singapore, Malaya	
5015	59.82	0.25	HC1RP	R. Católica, Ecuador	
	59.82	0.25	HC2BK	R. El Mundo, Ecuador	
	59.82	0.25	HC5CB	La Voz de Azogues, Ecuador	
	59.82	10	HJCA	R. Nacional, Colombia	
5020	59.76	1		Colombo, Ceylon	
	59.76	0.4	4VGS	R. Independance, Haiti	
5024	59.71	0.4	CR6RH	Sa da Bandeira, Angola	
5025	59.70	0.25	HC5AL	R. Nueva Austral, Ecuador	
	59.70	1	HJFW	Transm. Caldas, Colombia	
5026	59.69	7.5		Kampala, Uganda	
5030	59.64	0.2	HI8Z	R. Santiago, Dom. Rep.	
	59.64	5	YDM2	Bukitinggi, Indonesia	
	59.64	7.5	YVKM	R. Continente, Venezuela	
5034	59.59	0.25		Nairobi (FBS), Kenya	
5036	59.57	1		R. Lomé, Fr. Togoland	
5040	59.52	0.225	4VPM	Port-de-Paix, Haiti	
	59.52	2		Tbilisi, USSR	
	59.52	0.5	YVMA	R. Ecos del Zulia, Venezuela	
5042	59.48	1	CR6RF	R. Club de Benguela, Angola	
5045	59.46	5	R.O.N.G.	Hollandia, N. Guinea	
	59.46	1	YNRL	La "V" de la Victoria, Nicar.	
	59.46	0.3		Beira, Mozambique	
5050	59.41	20		Dar-es-Salaam, Tanganyika	
	59.41	5	YVKD	R. Cultura, Venezuela	
	59.41	0.20	HC5ET	R. Roxi, Ecuador	
	59.41	0.35	ZL1ZA	Rarotonga, Cook Islands	
5052	59.39	5		Kuching, Sarawak	
5055	59.36	0.5	HI2L	Voz del Tropico, Dom. R.	
	59.36	1	HJDW	Voz de Medellin, Colombia	
5060	59.29	7.5	YDJ	Jogjakarta, Indonesia	
	59.29			La Voix de Gonaives, Haiti	
5065	59.23	15/100		Moscow, USSR	
5075	59.13	25	HJGO	R. Sutatenza, Colombia	
5080	59.06	10/20		Moscow, USSR	
5175	57.97	15/100		Moscow, USSR	
5195	57.75	0.3	HC6GT	R. Continental, Ecuador	
5260	57.03	10/20		Moscow, USSR	
5380	55.76	10/20		Moscow, USSR	
5455	54.98	15/100		Moscow, USSR	
5470	54.84	0.25		Frankfurt (AFN), Germany	
5480	54.65	15/100		Moscow, USSR	
5510	54.45	0.2	HC2NL	La Voz del Campesino Ecuador	
5750	52.18	0.5	CE8AA	R. Soc. Nac. de Agricult., Chile	
5752	52.14	0.35	PZH5	Paramaribo, Surinam	
5790	61.81	0.25		Thai Army R. Bangkok, Thail.	
5860	51.19			Peking, China	
5875	51.08	1	HRN	La Voz de Honduras, Hond.	
5880	51.02			Peking, China	
5895	50.90	0.4	CR4AA	R. Cl. Cabo Verde, Cap Verde Islands	
5900	50.84	0.25	ZNB	Mafeking, Bechuanaland	
	50.84	0.15	4VPL	Petionville Br. Syst., Haiti	
5912	50.74	15/100		Moscow, USSR	
5930	50.59	15/100		Moscow, USSR	
5940	50.51	15/100		Moscow, USSR	
		5950 – 6200 kc/s – 49 meter band			
5950	50.42	3.5	BEC28	Taipei, Taiwan	
5952	50.40	5	TGNA	R. Cultural, Guatemala	
5955	50.38	10/100		Allouis, France	
	50.38	3	ZPA1	R. Nacional, Paraguya	
	50.38	7.5/100		Warsaw, Poland	
	50.38	0.25	QAX4P	R. Huancayo, Peru	
	50.38	0.2	HC1GT	Ondas Nacionales, Ecuador	
	50.38	7.5	ZYR76	R. Gazeta, Brazil	
	50.38	0.5	HRVW3	Voz de Centro Amer., Hond.	
	50.38	5/100	VUD	AIR, Delhi, India	
5960	50.34	100	CSA206	R. Nacional, Portugal	
	50.34	0.1	VQO2	Honiara, Solomon Isl.	
	50.34	50/60/100		R. Roma, Italy	
	50.34	15/100		Moscow, USSR	
	50.34	10/100		R. Free Europe, Germany	
	50.34	0.25	HC1FM	R. Equinoccial, Ecuador	
	50.34	1	BEC38	Taipei, Taiwan	
	50.34	0.6	HOL21	R. Hogar, Panama	
	50.34	10	HJCF	Voz de Bogota, Colombia	
5965	50.28	100		Allouis, France	
	50.28	0.6	YNWW	R. Sport, Nicaragua	
	50.28	7.5		R. Guaiba, Brazil	
	50.28	0.25	HC5GE	R. Mundial, Ecuador	
	50.28	0.5	HRQX	La Voz del Pueblo, Hond.	
	50.28	1.5	BEC26	Tsoying, Taiwan	
5968	50.27	5/25/50/100		Vatican City, Italy	
	50.27	1		Sebaa-Ayoun, Fr. Morocco	
5970	50.25	50	CKNA	R. Canada, Canada	
	50.25	1	DZCA	Philippines	
	50.25	15/100		Moscow, USSR	
	50.25	0.3	CBNX	St. John's, Canada	
	50.25	7.5	HI4T	La Voz Dominicana, Dom. R.	
	50.25	10/100		R. Free Europe, Germany	
	50.25	1	YDO2	Bandjarmasin, Indonesia	
	50.25	0.2	HC1JM	R. Tulcán, Ecuador	
	50.25	10	OBX4Q	R. El Sol, Peru	
	50.25	3		R. Brazzaville (R. AEF), F. E. F.	
	50.25	0.5	TGLA	R. Victoria, Guatemala	
	50.25			Peking, China	
5972	50.22	25		R. Andorra, Andorra	
5975	50.21	0.25	YSWW	Voz del Pueblo, El Salvador	
	50.21	15/100	MCP	BBC, London, Gt. Britain	
	50.21	7.5	RAU1	R. Angkatan Udara, Indon.	
	50.21	7.5/100		Warsaw, Poland	
	50.21	0.4	HC3CD	R. Dif. Fátima, Ecuador	
	50.21	3		Djeddad, Saudi Arabia	
5976	50.20	100	CSA78	R. Nacional Portugal	
5980	50.17	5/100	VUD	AIR, Delhi, India	
	50.17	2	ZFY	R. Demarara, Br. Guiana	
	50.17	0.5	OBX4M	R. Panamericana, Peru	
	50.17	100	HLKA	Suwon, S. Korea	
	50.17	1	TGAR	R. Quetzal, Guatemala	
	50.17	7.5		Dacca, Pakistan	
	50.17	10/50		Karachi, Pakistan	
	50.17	0.3	HC6RT	R. Paz y Bien, Ecuador	
	50.17			Bucuresti, Rumania	
	50 17	3 5	BED29	Taipei, Taiwan	
	50.17	15/100		Moscow, USSR	
	50.17	100	DMQ6	Deutsche Welle, Germany	
5985	50.13	1	LRS2	R. Splendid, Argentina	
	50.13	4	OEI30	Kronstorf, Austria	
	50.13	10/100		R. Free Europe, Germany	
	50.13	1		Sanaa, Yemen	
	50.13	1	YSW	R. del Pueblo, El Salvador	
	50.13	0.2	HC3JZ	R. Trebol, Ecuador	
5990	50.08	15/100	MCV	BBC, London, Gt. Britain	
	50.08	0.3	HC6GY	R. Luz, Ecuador	
	50.08	1	YDS2	Menado, Indonesia	
	50.08	10/50		Karachi, Pakistan	
	50.08	5/100		AIR, Delhi, India	
	50.00	3	TGJA	R. Nuevo Mundo, Guatemala	
	50.08	0.5	OAX4V	R. America, Peru	
	50.08		OQ2AE	Luluabourg, Belgian Congo	
	50.08	1.5	4VHW	R. Haiti, Haiti	
5995	50.04	1	YNDC	R. Colonial, Nicaragua	
	50.04	5	HO50	R. Prgr. Continental, Panama	
	50.04	7.5/100		Warsaw, Poland	
	50.04	15/100		Moscow, USSR	
	50.04	1	HRP1	El Eco de Honduras, Hond.	
	50.04	3.5	BEC36	Taipei, Taiwan	
6000	50.00	0.4	OEI20	Innsbruck, Austria	
	50.00	15/100		Moscow, USSR	
	50.08	50		R. Nacional, Spain	
	50.00	1	DZH4	Voice of the Philippines, Phil.	
	50.00	5	CXA2	R. Sur, Uruguay	
	50.00	0.2	HC1DF	La Voz del Norte, Ecuador	
	50.00	0.25	TGTA	R. Sonora, Guatemala	
	50.00	35/100		VOA Tangier	
6003	49.97	0.15	CSB56	Emisora Liceu, Portugal	
6004	49.96	7.5		Colombo, Ceylon	
6005	49.96	20		Berlin RIAS, Germany	
	49.96	5/25/50/100		Vatican City, Italy	
	49.96	1	HP5K	Voz de la Victor, Panama	

kc/s	m	kW	Call	Stations and countries	Rem.
6006	49.95	1	CNR3	Sebaa-Aioun, Fr. Morocco	
6010	49.92	1	CJCX	Sydney, Canada	
	49.92	0.25/10	VUC	Calcutta, India	
	49.92	5	CE601	Emisoras Norte, Chile	
	49.92	5	YSS	Alma Cuscatleca, El Salvador	
	49.92	15/100		Moscow, USSR	
	49.92	15/100	GRB	BBC, London, Gt. Britain	
	49.92	0.5	4VYM	R. Difusion Haitienne, Heiti	
	49.92	50/60/100		R. Roma, Italy	
	49.92	2.5	XEOI	Radio Mil, Mexico	
6015	49.88	10/100		R. Free Europe, Germany	
	49.88	5	PRA8	R. Cl. de Pernambuco, Brazil	
	49.88	0.4	YNBH	R. Panamericana, Nicaragua	
	49.88	20	JKK	Nazaki, Japan	
	49.88	0.25	HC4EB	R. Manta, Ecuador	
	49.88	0.75	TIHBG	R. Cristal, Costa Rica	
	49.88	1.3/20	ZOY	Accra, Gold Coast	
	49.88	35		Salonica (VOA), Greece	
6018	49.84	10	HJCX	Voz de Colombia, Colombia	
	49.84	7.5		Salisbury, S. Rhodesia	
6020	49.83	40		Kiev, USSR	
	49.83	10/100		R. Free Europe, Germany	
	49.83	1	HROW	R. Monserrat, Honduras	
	49.83	0.25	XEUW	El Eco de Sotavento, Mexico	
	49.83	50/200	KNBH	Dixon, USA	
	49.83	1	OAX4Q	R. Victoria, Peru	
	49.83	0.5	TGDA	La Voz de Occidente, Guatemala	
6022	49.81	1	ELB1	Monrovia, Liberia	
6025	49.79	10	ZYR63	R. Em. de Piratininga, Brazil	
	49.79	0.1	HI1J	Voz de Oriente, Dom. Rep.	
	49.79	10		R. International, Tangier	
	49.79	50	WO1	R. Nederland, Holland	
	49.79	5	VS2K6	Kuala Lumpur, Malaya	
	49.79	7.5/100		Warsaw, Poland	
	49.79	7.5	CR8AB	R. Goa, Port. India	
	49.79	0.25	HC5TO	La Voz del Pueblo, Ecuador	
6029	49.75	0.25	HC5PT	Voz Perpetuo Socorro, Ecuad.	
6030	49.75	1		Lahore, Pakistan	
	49.75	0.1	CFVP	Calgary, Canada	
	49.75	5/25/50/100		Vatican City, Italy	
	49.75	20		Mühlacker (SDR), Germany	
	49.75	5		R. Continente, Mexico	
	49.75	0.25	HP5B	R. Cadena Miramar, Panama	
	49.75	2	DZH6	"The Call of Orient", Philip.	
	49.75	3		Elisabethville, Belgian Congo	
	49.75	15/100		Moscow, USSR	
	49.75	2	TGTQ	R. Internacional, Guatemala	
	49.75	5	YSABC	Radioemisora Salvadoreña, El Salvador	
6034	49.71	7.5		Rangoon, Burma	
6035	49.71	15/100		Moscow, USSR	
	49.71	30	3AM3	Monte Carlo, Monaco	
	49.71	1/6		Noumea, New Caledonia	
	49.71	15/100	GWS	BBC, London Gt. Britain	
	49.71	10/50		Karachi, Pakistan	
	49.71	1	HRTL	Radio Tela, Honduras	
	49.71	0.15	OAX6B	R. Landa, Peru	
	49.71	1	CXA30	R. Nacional, Uruguay	
6037	49.69	0.5	TIFC3	Faro del Caribe, Costa Rica	
6040	49.67	15/100	GSY	BBC, London, Gt. Britain	
	49.67	15/100		Moscow, USSR	
	49.67	0.25		Simla, India	
	49.67	50/200	KCBR	Delano, USA	
	49.67	0.5	TGCO	Voz d. Tropico, Guatemala	
	49.67	10	HJLB	La Voz del Tolima, Colombia	
	49.67	5	CE604	R. Libertad, Chile	
6042	49.65	0.25	OAX6A	R. Arequipa, Peru	
6045	49.63	5	XETW	La Voz de Tampico Mexico	
	49.63	100	YDF	Djakarta, Indonesia	
	49.63	1	HOU31	Voz del Baru, Panama	
	49.63	10/100		Allouis, France	
	49.63	3		R. Aden, Aden	
	49.63	1		Dakar Reg., Fr. W. Africa	
	49.63	5/100		AIR, Delhi, India	
6050	49.59	0.7	HI1N	Voz d. la Reelección, Dom.R.	
	49.59	5	YSR	La Voz de El Salvador, El Salvador	
	49.59	15/100	GSA	BBC, London, Gt. Britain	
	49.59	0.5	VSZ10	Tarawa, Gilbert Islands	
	49.59	1	HCJB	Voz de los Andes, Ecuador	
	49.59	0.8	TGXB	R. Centro Musical, Guatemal.	
6055	49.55	7.5	PRB21	R. Panamericana, Brazil	
	49.55	5	HJEX	R. Pacifico, Colombia	
	49.55	10	JOZ2	Tokyo, Japan	
	49.55	0.6	YNOW	Voz de la Amer. Centr. Nicar.	
	49.55	5	CXA14	Servicio de Inform., Uruguay	
	49.55	0.25	DYH4	Dumaguete City, Philippines	
	49.55	2.5/10/20		R. Liberation, Germany	
	49.55	0.3	OAX6E	R. Continental, Peru	
	49.55	100	OLR2H	Prague, Czechoslovakia	
6057	49.53	0.25	OAX2E	R. Trujillo, Peru	
6060	49.50	1	HRYN2	Voz del Merendon, Honduras	
	49.50	15/100	GSX	BBC, London, Gt. Britain	
	49.50	3	VQ7LO	Nairobi, Kenya	
	49.50	50	CKRZ	R. Canada, Canada	
	49.50	50	OZF3	Herstedvester, Denmark	
	49.50	15/100		Moscow, USSR	
	49.50	35		No. Luzon (VOA), Philippines	
	49.50	7.5/50		Manila (VOA), Philippines	
	49.50	50/200	KNBH	Dixon, USA	
	49.50	5/100		AIR, Delhi, India	
	49.50	0.25	HC1AC	Voz de la Democracia, Ecuad.	
	49.50	0.5	HORT	R. Balboa, Panama	
	49.50	5		Ramallah, Jordan	
	49.50			Caltanisetta (RAI), Italy	
	49.50	1.5	TGXX	R. Cirós, Guatemala	
	49.50	50/60/100		R. Roma, Italy	
6062	49.49	16	LRA1	R. del Estado, Argentina	
6065	49.46	0.4	YNEQ	Voz de la Victoria, Nicarag.	
	49.46	100		Hörby, Sweden	
	49.46	5	XEXG	R. Dif. Mexico, Mexico	
	49.46			Peking, China	
6067	49.45	1	EHT1	R. Tetuan, Sp. Morocco	
6069	49.43	50/100	JOA	Tokyo, Japan	
6070	49.42	1	CFRX	Toronto, Canada	
	49.42	15/100	GRR	BBC, London, Gt. Britain	
	49.42	100		R. Sofia, Bulgaria	
	49.42	0.25	CP18	R. El Condor, Bolivia	
	49.42	15/100		Moscow, USSR	
	49.42	0.2	HC2AQ	R. Nueva Ortiz, Ecuador	
	49.42	5/100		AIR, Delhi, India	
	49.42	1	HSK5	R. Thailand, Thailand	
	49.42	10/50		Karachi, Pakistan	
	49.42	0.3	OAX4S	R. San Christobal, Peru	
	49.42	5	CE607	R. Soc. Nac. de Mineria, Chile	
	49.42	0.25	TGPA	R. Palmeras, Guatemala	
6075	49.38	0.5	TIGG	E. Excelsior, Costa Rica	
	49.38	20		NDR, Germany	
	49.38	2.5	CXA3	R. Ariel, Uruguay	
	49.38	0 5	HRMH	La Voz del Junco, Honduras	
	49.38	1		Lahore, Pakistan	
	49.38	5		R. Athens, Greece	
	49.38	100		VOA, Honolulu, Hawaii	
6080	49.34	15/100	MCV	BBC, London, Gt. Britain	
	49.34	50/100	JOB	Tokyo, Japan	
	49.34	0.25	DZI7	Voice of Manila, Philippines	
	49.34	8/100		Munich (VOA), Germany	
	49.34	0.01	CKFX	Vancouver, Canada	
	49.34	7.5	ZL7	Wellington, New Zealand	
	49.34	10	CSB51	R. Clube Portuguese, Portug.	
	49.34	0.25	TGCB	R. Colonial, Guatemala	
	49.34	0.3	HC2DE	R. Dif. Bolivar, Ecuador	
6082	49.32	40	OAX4Z	R. Nacional, Peru	
6085	49.30	0.5	VP4RD	R. Trinidad, Trinidad	
	49.30	0.25/10	VUM	AIR, Madras, India	
	49.30	16	ZYK2	R. Jornal do Comercio, Brazil	
	49.30	100	ORU4	Bruxelles, Belgium	
	49.30	3		Stanleyville, Belgian Congo	
6090	49.26	2	VLI6	Sydney, Australia	
	49.26	0.3	HOO	R. Independiente, Panama	
	49.26	15/100	GWM	BBC, London, Gt. Britain	
	49.26	50	CKOB	R. Canada, Canada	
	49.26	7.5	CBFW	Montreal, Canada	
	49.26	50		R. Luxembourg	
	49.26	10	HRNQ	R. Morazan, Honduras	
	49.26	0.2	HC6VM	R. 11 de Noviembre, Ecuador	
	49.26	15/100		Moscow, USSR	
	49.26	10		R. Cambodge, Cambodia	
	49.26	7.5	4VB	R. Commerce, Haiti	
	49.26	40	LRY1	R. Belgrano, Argentina	
6092	49.24	7.5	EQR2	R. Täbriz, Iran	
6095	49.22	1	OAX4H	R. Mundial, Peru	
	49.22	100		Hörby, Sweden	
	49.22	1	YSC	Ondas Populares y Deportivas El Salvador	
	49 22	10/100		R Free Europe, Germany	
	49 22	25	ZYB7	R Dif de Sao Paulo, Brazil	
	49.22	10		Colombo, Ceylon	

kc/s	m	kW	Call	Stations and countries	Rem.
6100	49.18	0.25	CE610	R. Calama, Chile	
	49.18	0.25	VPP	Belize, Honduras, Br.	
	49.18	15/100		Moscow, USSR	
	49.18			Peking, China	
	49.18	100		R. Belgrade, Yugoslavia	
	49.18	0.25		Thai Navy St., Bangkok, Thailand	
	49.18	0.3	TGOA	La Voz de las Americas, Guatemala	
	49.18	2.5		Enúgú, Nigeria	
	49.18			Hanoi, N Vietnam	
6105	49 14	10	HJFD	R Manizales, Colombia	
	49.14	100	OLR2C	Prague, Czechoslovakia	
	49 14	10/100		R Free Europe, Germany	
	49 14	1	CR6RR	R Diamang, Angola	
	49 14	0 4	4VE	La Voix Evangelique, Haiti	
6106	49 14	3	BEC32	Taipei, Taiwan	
6110	49 10	1		Shrinagar, Kashmir	
	49 10	15/100	GSL	BBC, London, Gt Britain	
	49 10	7 5/100		BBC, Singapore, Malaya	
	49 10	15/100		Moscow, USSR	
	49 10	7 5	DZI4	Manila, Philippines	
	49 10	1	TGQA	R Nacional, Guatemala	
	49 10	1	HRXW	R Camayagüela, Honduras	
	49 10	0 5	CE611	R Soc Nac de Agricultura, Chile	
6112	49 08	0 25		Nairobi (FBC), Kenya	
	49 08	1	HI1Z	Broadc Nacional, Dom R	
	49 08	7 5		Dacca, Pakistan	
6115	49 06	100	DMQ6	Deutsche Welle, Germany	
	49.06	1		R. Douala, Cameroon (Fr.)	
	49.06		OBX4Z	R. Luz, Peru	
	49.06	5		Deutschlandsender, Germ.	
6120	49.02	15/100		Moscow, USSR	
	49.02	7.5/20	ZJM4	Sharq al Adna, Cyprus	
	49.02	10	LRX1	R. El Mundo, Argentina	
	49.02	15	OIX7	Pori, Finland	
	49.02	7.5/50		Manila (VOA), Philippines	
	49.02	50	WDSI	Brentwood, USA	
	49.02	7.5		Dacca, Pakistan	
6122	49.00	0.5	HP5H	La Voz del Pueblo, Panama	
6125	48.98	10	CXA4	S.O.D.R.E., Uruguya	
	48.98	1	HRQ	R. Suyapa, Honduras	
	48.98	15/100	GWA	BBC, London, Gt. Britain	
	48.98	7.5		R. Nac. de Sao Paulo, Brazil	
6128	48.96	1	OAX7A	R. Cuzco, Peru	
6130	48.94	0.25	HI1G	Radiodifusora HIG, Dom.R.	
	48.94	2	VLT6	Port Moresby, New Guinea	
	48.94	0.25	HC2CA	R. Cóndor, Ecuador	
	48.94	10	XECM	R. Central de Mexico, Mex.	
	48.94	10	LKJ	Tromsö, Norway	
	48.94	10/100		R. Free Europe	
	48.94	15/100		Moscow, USSR	
	48.94	3	YSI	R. Emperador, El Salvador	
	48.94	1		R. Lao, Laos	
	48.94	100		R. Nacional, Spain	
6135	48.90	0.5	HRMF	La Voz del Patio, Honduras	
	48.90	4		Papéete, Tahiti	
	48.90	7.5	ZHP	Singapore, Malaya	
	48.90	0.5	CP30	R. Electra, Bolivia	
	48.90	7.5	PRC21	R. Soc. Gaucha, Brazil	
	48.90	7.5/100		Warsaw, Poland	
6138	48.88	1		Lahore, Pakistan	
6140	48.86	15/100	MCW	BBC, London, Gt. Britain	
	48.86	7.5	OTM1	R. Congo Belge, Belgian C.	
	48.86	0.5	HOQQ	R. Nacional, Panama	
	48.86	0.5	DYH2	Voice of Cebu, Philippines	
	48.86	8/100		Munich (VOA), Germany	
	48.86	0.5	HI8Z	R. Santiago, Dom. Rep.	
	48.86	0.5	TGHC	R. Universal, Guatemala	
6145	48.82	100		Allouis, France	
	48.82	35		Okinawa (VOA), Ryukyu Isl.	
	48.82	10	HJDE	Voz de Antioquia, Colombia	
6147	48.80	50	PRL9	R. Nacional, Brazil	
6150	48.78	5	VLR6	Melbourne, Australia	
	48.78	15/100	GRW	BBC, London, Gt. Britain	
	48.78	15/100		Moscow, USSR	
	48.78	5	CE615	R. Cooperativa Vitalicia, Chile	
	48.78	0.25/10	VUB	AIR, Bombay, India	
	48.78	0.25	CP12	R. Fides, Bolivia	
	48.78	0.25	OAX1A	R. Delcar, Peru	
	48.78	0.5	TGAZ	R. Continental, Guatemala	
6153	48.75	0.5	OBX4G	R. Excelsior, Peru	
6154	48.74	0.6	CSB52	R. Renascenca, Portugal	
6155	48.74	0.2	OEI21	Wien, Austria	
	48.74	10	HJCD	R. Militar, Colombia	
6155	48.74	35		Salonika (VOA), Greece	
	48.74	75/200	WLWO	Mason, USA	
	48.74	10	CXA13	R. Carve, Uruguay	
	48.74	0.3	HC4LT	R. Costa Azul, Ecuador	
	48.74	0.15	4VWA	R. Citadelle, Haiti	
	48.74	0.25		R. Conakry, Fr. Guinea	
6160	48.70	1	CP40	Emisora LAB Bolivia	
	48.70	5	HJKJ	Nueva Granada, Colombia	
	48.70	10		Tokyo, (FEN), Japan	
	48.70	25		Algiers I, Algeria	
	48.70	0.5	CBUX	Vancouver, Canada	
	48.70	10		München, (B. R.), Germany	
	48.70	50	CHAC	R. Canada, Canada	
	48.70	0.2	HI1R	Voz de Fundacion, Dom. R.	
	48.70	15/100		Moscow, USSR	
	48.70	0.25	TGZA	R. Programas de Guatemala, Guatemala	
6165	48.66	1	4VCM	La Magloire Broadcasting Circuit, Haiti	
	48.66	1.5	HRTW	Union R. Hondureña Honduras	
	48.66	1	3WT13	R. Nationale, S. Vietnam	
	48.66	100	HER3	Schwarzenburg, Switzerland	
	48.66	20		Damascus, Syria	
	48.66	15/100	GWK	BBC, London, Gt. Britain	
	48.66	7.5	ZYR58	R. Cultura, Brazil	
6170	48.62	7.5/20	ZJM5	Sharq al Adna, Cyprus	
	48.62	100	OLR2D	Prague, Czechoslovakia	
	48.62	1	DUH2	The Peoples Station, Philipp.	
	48.62	15/100	GSZ	BBC, London, Gt. Britain	
	48.62	15/100		Moscow, USSR	
	48.62	50	WDSI	Brentwood, USA	
	48.62		OBX4B	R. Corporacion, Peru	
	48.62	0.2	ZHW24	R. Nyeri (KBS), Kenya	
	48.62	0.2	HC2PJ	R. Fluminense, Ecuador	
	48.62	1	CXA21	R. Fenix, Uruguay	
	48.62	0.15	YSHQ	R. Progreso, El Salvador	
	48.62	5	YVKO	R. Nacional, Venezuela	
	48.62	10	YDL	Padang, Indonesia	
6172	48.60	1	FIQA	R. Tananarive, Madagascar	
	48.60	2		R. Thailand, Thailand	
6175	48.58	7.5/100	HP5G	Singapore, BBC Malaya	
	48.58	0.3	HP5G	R. Panamericana, Panama	
	48.58	2.5/10/20		R. Libertad, Germany	
	48.58	7.5		Kaduna, Nigeria	
	48.58	0.3	OAX7C	R. Tahuantisuyo, Peru	
	48.58	15/100		BBC, London, Gt. Britain	
6177	48.56	5/7.5		Athens (NBI), Greece	
6180	48.54	1	TGWB	R. Nacional, Guatemala	
	48.54	0.5	YSMA	La Voz Supr. d. Occid., El Salv.	
	48.54	15/100	GRO	BBC, London, Gt. Britain	
	48.54	10	LRA	R. del Estado, Argentina	
	48.54	0.3	OAX4P	R. Miraflores, Peru	
6185	48.50	10	ZYR77	R. Bandeirantes, Brazil	
	48.50	10	HJCQ	R. Nacional, Colombia	
	48.50	10	LLI	Tromsö, Norway	
	48.50	0.9	YNVP	Voz de Nicaragua, Nicaragua	
	48.50	35		Courier (VOA), Greece	
	48.50	50/200	KCBR	Delano, USA	
	48.50	2.5/10/20		R. Liberation, Germany	
	48.50		OAX6F	R. Nacional, Peru	
	48.50	0.45	CP9	R. Amauta, Bolivia	
	48.50	15/100		Moscow, USSR	
	48.50	0.25	HRSU	R. Progresso, Honduras	
6190	48.47	5/25/50/100		Vatican City, Italy	
	48.47	5/100	VUD	AIR, Delhi, India	
	48.47	0.25/10	VUM	Madras, India	
	48.47	0.25	OAX4G	R. Lima, Peru	
	48.47	0.1	HI9T	Broadc. Tropical, Dom. Rep.	
	48.47	0.3	HC4DY	R. Iris, Ecuador	
	48.47	5	CE619	R. Corporacion, Chile	
	48.47	0.25	CP37	R. Oruro, Bolivia	
	48.47	1	4XB44	Tel Aviv, Israel	
	48.47	1	YSU	R. Mil Cincuenta, El. Salv.	
6195	48.43	15/100	GRN	BBC, London, Gt. Britain	
	48.43	0.25	HC6EM	R. Cosmopolita, Ecuador	
	48.43	10	HJEZ	Voz de Cali, Colombia	
	48.43	0.25	HRD2	Voz d. Atlantida, Honduras	
	48.43	25	PRC21	R. Emis. Continental, Brazil	
6198	48.40	0.3	OAX1B	R. Piura, Peru	
	48.40	0.15	4VCP	La Voix du Nord, Haiti	
6199	48.39	0.35		Cayenne, Guiana (Fr.)	
6200	48.39	100		Allouis, France	
	48.39	15/100		Moscow, USSR	
	48.39			Peking, China	
	48.39	0.1	TGKN	R. Novedadas, Guatemala	

kc/s	m	kW	Call	Stations and countries	Rem.
6200	48.39	0.35		Omdurman, Sudan	
6209	48.31	2.5		Malaga, R. Nac., Spain	
6210	48.31	15/100		Moscow, USSR	
	48.31	50/60/100		R. Roma, Italy	
6215	48.27	50/100		Cairo, Egypt	
6220	48.23	10/50		Karachi, Pakistan	
6235	48.12	10/50		Karachi, Pakistan	
6240	48.08	0.1		Mytilili, Greece	
6248	48.02	100		R. Budapest, Hungary	
6250	48.00		OAX8E	R. Loreto, Peru	
	48.00			R. Pyongyang, N. Korea	
6270	47.85	0.5		Tripolis, (FBS) Greece	
6280	47.77			Sinkiang, China	
	47.77	1		Tec. University, Istanb., Tur.	
6300	47.62	1		Ankara Police, R. Turkey	
6374	47.09	10	CSA21	Atlantico, Portugal	
6400	46.88	0.2	HC2RL	R. Quinta Piedad, Ecuador	
	46.88	0.01	ZPA8	R. Ypir, Paraguay	
6405	46.84	15/100		Moscow, USSR	
6419	46.75	0.5	ETHA	Addis Ababa, Ethiopia	
6435	46.58	0.4	EPP2	R. Shiraz, Iran	
6440	46.50	1		Ankara Tec. School, Turkey	
6480	46.29	15/100		Moscow, USSR	
	46.29	0.06		R. Herakleion, Greece	
6500	46.16	0.35		Beirut AFRS, Lebanon	
	46.16			Tsinhai, China	
6525	45.98	0.3		Carpenission, Creece	
6540	45.87	15/100		Moscow, USSR	
	45.87	0.25		Thai Airforce St., Thailand	
6557	45.60		HC5VA	La Voz de Azogues Canar, Ecuador	
6560	45.73			Peking, China	
6590	45.52	0.1		Chios, Greece	
6630	47.06	0.4	TAZ	R. Izmir, Turkey	
6660	45.05	15/100		Moscow, USSR	
6675	44.94	25	HBQ	Geneva, Switzerland	
6690	44.80	0.2		Technical School, Turkey	
6700	44.78	15/100		Moscow, USSR	
6743	44.50			Peking, China	
6752	44.82	0.5		Larissa (FBS), Greece	
6790	44.18	7.5/20	ZJM6	Sharq al Adna, Cyprus	
6800	44.12			Meshed, Iran	
6815	44.00	3		R. Tirana, Albania	
6825	43.96	15		Tashkent, USSR	
	43.95			Inner Mongol, China	
6830	43.92	2.5	4XB21	Tel Aviv, Israel	
6846	43.81	0.25	YNLU	R. Managua, Nicaragua	
6895	43.52	0.25		Homestead.(AFKN),S.Korea	
6933	43.27	0.5	EFE5	La Voz de Leon, Spain	
6985	42.95		HC2CA	R. Costa Azul Salinas, Ec.	
6995	42.89	1		R. Mediterraneo, Spain	
7000	42.86	0.4		Salonika, (FBS) Greece	
	42.86		HC6FV	La Voz del Cotopaxi, Ecuad.	
	42.86		HC7MT	La Voz Oriental, Ecuador	
	42.86	0.4		Izmir, Turkey	
	42.86	0.3		R. Atlantico, Canary Islands	
7010	42.80	10/50		Karachi, Pakistan	
7025	42.70	5/100	VUD	Delhi, India	
7035	42.64	5/100		AIR, Delhi, India	
7050	42.55	50/100		Cairo, Egypt	
	42.52	0.5		Tec. University, Istanb., Tur.	
	42.52			Sinkiang, China	
7065	42.46	5/100	VUD	AIR, Delhi, India	
7072	42.42	0.3		R. Mogadiscio, Ital. Somalil.	
7096	42.27	10/50		Karachi, Pakistan	
		7100 – 7300 kc/s – 41 metre band			
7100	42.25	15/100		Moscow, USSR	
	42.25	5		R. Nepal, Nepal	
	42.25	0.015		R. Ribadavia, Spain	
	42.25	100		R. Nacional, Spain	
	42.25	100		Allouis, France	
7105	42.22	10/100		R. Free Europe, Germany	
	42.22	20	YDJ2	Jogjakarta, Indonesia	
	42.22	10/100		Allouis, France	
7110	42.19	35		VOA, Ceylon	
	42.19	15/100		Moscow, USSR	
	42.19	15/100	MCS	BBC, London, Gt. Britain	
	42.19	7.5		Kampala, Uganda	
7115	42.16	3.5/50/100		VOA, Tangier	
	42.16	0.1	CR6AA	R. Lobito, Angola	
	42.16	5/100	VUD	AIR, Delhi, India	
7120	42.13	100		Allouis, France	
	42.13	15/100	GRM	BBC, London, Gt. Britain	
	42.13	7.5/100		BBC, Singapore, Malaya	
7125	42.11	15/100		Moscow, USSR	
7125	42.11	7.5/100		Warsaw, Poland	
	42.11	35		Courier (VOA), Greece	
7126	42.12	1	VQ6MI	R. Somali, Somaliland (Br.)	
	42.12	5		R. Eurafrica, Tangier	
	42.12	0.3		Jannina (FBS), Greece	
7130	42.08	15/100		BBC, London, Gt. Britain	
	42.08	5/100	VUD	Delhi, India	
	42.07	2.5/10/20		R. Liberation, Germany	
	42.07	20	BED27	Taipei, Taiwan	
7135	42.05	0.3	OEJ31	Wien, Austria	
	42.05	3	CR4AA	R. Cl. CaboVerde, C.Verde Isl.	
	42.05	15/100	GRS	BBC, London, Gt. Brtiain	
	42.05	5/100	VUD	Delhi, India	
7140	42.02	1	HSK26	R. Thailand, Thailand	
	42.02	10/100		R. Free Europe, Germany	
	42.02	5/100	VUD	AIR, Delhi, India	
	42.02	30	3AM4	Monte Carlo, Monaco	
	42.02	1	BEC23	Taichung, Taiwan	
	42.02	15/100		BBC, London, Gt. Britain	
	42.02	0.6	CR6RE	Malange, Angola	
	42.02	7.5		Dacca, Pakistan	
	42.02	0.06		R. Merida, Spain	
7142	42.01	0.25	CR6RA	R. Clube de Angola, Angola	
	42.01	5/7.5		R. Athens, Greece	
7145	41.99	10/100		R. Free Europe, Germany	
	41.99	0.1	TAO5	Tec. School, Istanbul, Turkey	
	41.99	7.5/100		Warsaw, Poland	
	41.99	1		R. Lao, Laos	
	41.99	5/100	VUD	Delhi, India	
7150	41.96	15/100	GRT	BBC, London, Gt. Britain	
	41.96	0.25	OQ2AB	R. Elisabeth, Belg. Congo	
	41.96	5		Deutschlandsender, Germ.	
	41.96	7.5		Dacca, Pakistan	
	41.96	5		Erivan, USSR	
7152	41.94	0.75	CR6RD	Nova Lisboa, Angola	
7155	41.92	1	FIQA	R. Tananarive, Madagascar	
7156	41.93	3	OQ2AD	U.F.A.C., B. Congo	
	41.93	5/100	VUD	AIR, Delhi, India	
	41.93	10/100		R. Free Europe, Germany	
	41.93	15/100		Moscow, USSR	
7160	41.90	100		Allouis, France	
	41.90	8/100		VOA, Germany	
	41.90	5		Emissora d. Radiodif. S. Isabel, Sp. Guinea	
	41.90	5/100	VUD	Delhi, India	
	41.90	35		Okinawa(VOA),RyukyuIsl.	
7165	41.87	15/100		Moscow, USSR	
	41.87	10/100		R. Free Europe, Germany	
	100			Allouis, France	
7167	41.86	7.5		Dar-er-Salaam, Tanganyika	
7170	41.84	5/100	VUD	AIR, Delhi, India	
	41.84	0.25		Simla, India	
	41.84	100	DMQ7	Deutsche Welle, Germany	
	41.84	2.5/10/20		R. Liberation, Germany	
	41.84	0.2		R. St. Denis, Reunion	
	41.84			Peking, China	
7172	41.82	5	ZHW22	Mombasa, Kenya	
7175	41.81	10/100		R. Free Europe, Germany	
	41.81	7.5/100		Warsaw, Poland	
	41.81			RAI, Palermo, Italy	
	41.81	2.5		R. International, Tangier	
7180	41.78	15/100		Moscow, USSR	
	41.78	50/100	JOB2	Tokyo, Japan	
	41.78	10/100		R. Free Europe, Germany	
	41.78	5		R. Sabah, Br. N. Borneo	
	41.78	100	HLKA	Suwon, S. Korea	
7185	41.75	15/100	GRK	BBC, London, Gt. Britain	
7190	41.72	5		R.O.N.G. Hollandia, New Guinea	
	41.72	15/100		Moscow, USSR	
	41.72	5/100	VUD	AIR, Delhi, India	
	41.72	7.5/35		Colombo, Ceylon	
7192	41.71	10/100		R. Free Europe, Germany	
7200	41.67	10/50		Karachi, Pakistan	
	41.67	15/100	GWZ	BBC, London, Gt. Britain	
	41.67			Stalinabad, USSR	
	41.67	0.25	OQ2AC	R. College, Belg. Congo	
	41.67	100		R. Belgrade, Yugoslavia	
	41.67	0.5	BEC27	Taipei, Taiwan	
	41.67	5		Ramallah, Jordan	
7203	41.65	1	CR6RO	Silva Porto, Angola	
7205	41.64	0.05	CR7RB	R. Pax, Mozambique	
	41.64	100	DMQ7	Deutsche Welle, Germany	
	41.64	1		R. Hué, Vietnam	
	41.64	2.5/10/20		R. Liberation, Germany	
	41.64	7.5/100		Warsaw, Poland	

kc/s	m	kW	Call	Stations and countries	Rem.
7205	41.64	35		VOA Salonika, Greece	
7210	41.61	5/100	VUD	AIR, Delhi, India	
	41.61	0.25/10	VUC	AIR, Calcutta, India	
	41.61	15/100	GWL	BBC, London, Gt. Britain	
	41.61	15/100		Moscow, USSR	
	41.61	10	LLS]	Tromsö, Norway	
7212	41.60		OQ2AH	Bukavu, Belgian Congo	
7214	41.59	1		Rabat, Fr. Morocco	
7215	41.58	35		Courier (VOA), Greece	
7220	41.55	15/100		BBC, London, Gt. Britain	
	41.55	7.5	FBS	Benghazi, Libya	
	41.55	100	VLA/B7	Shepparton, Australia	
	41.55	50	VLC7	Shepparton, Australia	
	41.55	10	VLG7	Lyndhurst, Australia	
	41.55	7.5	ZL12	Wellington, New Zealand	
	41.55	100	YDF5	Djakarta, Indonesia	
	41.55	100		Budapest, Hungary	
	41.55	100		Allouis, France	
	41.55	2.5	ZQP	Lusaka, N. Rhodesia	
	41.55	1.5	YSO	Voz de la Democracia, El Sal.	
	41.55	2.5/10/20		R. Liberation, Germany	
7225	41.52	2.5/10/20		R. Liberation ,Germany	
	41.52	7.5		Dacca, Pakistan	
	41.52	10/50		Karachi, Pakistan	
	41.52	1		Lahore, Pakistan	
	41.52	15/100		Moscow, USSR	
	41.52	0.35	CR7IB	Beira, Mozambique	
7230	41.49	20		Paradys, S. Africa	
	41.49	1	CR6RM	Mocamedes, Angola	
	41.49	10	WTAN	Voice of Tangier, Tangier	
	41.49	15/100	GSW	BBC, London, Gt. Britain	
7235	41.47	15/100		Moscow, USSR	
	41.47	100	OLR8D	Prague, Czechoslovakia	
	41.47	35/50/100		VOA, Tangier	
	41.47	10/100		R. Free Europe, Germany	
7240	41.44	100	VLA/B7	Shepparton, Australia	
	41.44	50	VLC7	Shepparton, Australia	
	41.44	10	VLG7	Lyndhurst, Australia	
	41.44	10	LLR	Tromsö, Norway	
	41.44	0.25	YDP3	Medan, Indonesia	
	41.44	100		Allouis, France	
	41.44	0.25/10	VUB	AIR, Bombay, India	
	41.44	5	VQ7LO	Nairobi, Kenya	
7242	41.42	50/100	JOA2/JOB8	Tokyo, Japan	
7243	41.42	7.5	CR7AA	R. Club de Mozambique, Moz.	
7245	41.41	0.3	OEI22	Wien, Austria	
	41.41	4	OEI22	Kronstorf, Austria	
	41.41	15/100		Moscow, USSR	
	41.41	2.5/10/20		R. Liberation, Germany	
	41.41	10/100		R. Free Europe, Germany	
7250	41.38	15/100	GWI	BBC, Gt. Britain	
	41.38	5/25/50/100		Vatican City, Italy	
	41.38	1	YDG3	Surakarta, Indonesia	
	41.38	8/100		Munich (VOA), Germany	
7255	41.36	15/100		Moscow, USSR	
	41.36	2.5/10/20		R. Liberation, Germany	
	41.36	100	OLR8E	R. Prague, Czechoslovakia	
	41.36		OQ2AG	Coquilhatville, B. Congo	
	41.36	100		R. Sofia, Bulgaria	
7257	41.34	5	JKH	Tokyo, Japan	
7260	41.32	50	OZF4	Herstedvester, Denmark	
	41.32	15/100	GSU	BBC, London, Gt. Britain	
	41.32	7.5/100		BBC, Singapore, Malaya	
	41.32	0.25/10	VUM	AIR, Madras, India	
	41.32	35		Salonika (VOA), Greece	
	41.32	0.045	EFJ17	R. Juv. Ayora, Spain	
7263	41.31	10/50		Karachi, Pakistan	
	41.32	0.2	CR6RB	R. Eclesia, Angola	
7265	41.29	1.5		Bad Dürrheim(S.W.F.),Germ.	
	41.29	15/100		Moscow, USSR	
	41.29	1		R. Dalat, Vietnam	
7270	41.27	7.5	YDB3	Djakarta, Indonesia	
	41.27	12		Motala, Sweden	
	41.27	5/25/50/100		Vatican City, Italy	
	41.27	15/100		Moscow, USSR	
7275	41.24	20		Paradys, S. Africa	
	41.24	50/60/100		R. Roma, Italy	
	41.24	2.5/10/20		R. Liberation, Germany	
7280	41.21	100		Allouis, France	
	41.21	15/100	GWN	BBC, Gt. Britain	
	41.21	5/25/50/100		Vatican City, Italy	
	41.21	10/50		Karachi, Pakistan	
	41.21	100	VLA/B7	Shepparton, Australia	
	41.21	50	VLC7	Shepparton, Australia	
	41.21	10	VLG7	Lyndhurst, Australia	
7281	41.20	0.04		R. Almansa, Spain	
7284	41.18	1		Lahore, Pakistan	
7285	41.18	5/100	VUD	AIR, Delhi, India	
	41.18	100	TAS	R. Ankara, Turkey	
	41.18	5	JKJ	Tokyo, Japan	
	41.18	10/100		R. Free Europe, Germany	
7288	41.16	0.5	ZHW23]	Kisumu, Kenya	
7290	41.15	12	3WT12]	R. Nationale, S. Vietnam	
	41.15	5/100	VUD	AIR, Delhi, India	
	41.15	3		Pan American Radio, Tang.	
	41.15	100	DMQ7	Deutsche Welle, Germany	
	41.15	50/60/100		R. Roma, Italy	
7295	41.12	20	YDQ3	Makassar, Indonesia	
	41.12	20		Paradys, S. Africa	
	41.12	0.25	EAJ8AB	R. Club Tenerife, Canary I.	
	41.12	8/100		VOA, Germany	
	41.12	10/100		R. Free Europe, Germany	
7300	41.10	10/100		R. Free Europe, Germany	
	41.10	15/100		Moscow, USSR	
	41.10	3.5	BEC36	The Voice of Righteousness Taiwan	
	41.10	5/7.5		Athens, Greece	
7310	41.04	15/100		Moscow, USSR	
7312	41.03	0.15	YNWN	R. Granada, Nicaragua	
7320	40.98	5	VED	Edmonton, Canada	
	49.98	15/100		Moscow, USSR	
7325	40.96	15/100	GRJ	BBC, London, Gt. Britain	
7330	40.93	15		Moscow, USSR	
	40.93	50/100		Cairo, Egypt	
7335	40.90	3	CHU	Dominion Obs., Canada	
7340	40.87	15/100		Moscow, USSR	
7360	40.76	15/100		Moscow, USSR	
7400	40.54	15/100		Moscow, USSR	
7408	40.49			Hanoi, N. Vietnam	
7420	40.43	15/100		Moscow, USSR	
7422	40.42	1		Athens, FBS, Greece	
7425	40.40			Hanoi, N. Vietnam	
7430	40.37	0.05	FG8HA	Basse-Terre, Guadeloupe	
7485	40.07			Peking, China	
7500	40.00			Peking, China	
7547	39.75	5	ZNX32	Bridgetown, Barbados	
7570	39.63	0.5	OZL	Angmagssalik, Greenland	
7602	39.46	0.2	YNRM	R. Musún, Nicaragua	
7620	39.37			Peking, China	
	39.37	0.5		Kavalla (FBS), Greece	
7623	39.29	7.5		Dacca, Pakistan	
7655	39.19	7.5		Dacca, Pakistan	
7660	39.16	1	CE766	R. Yungay, Chile	
	39.16	0.25	YNMS	R. Philips, Nicaragua	
7655	39.19	7.5		Dacca, Pakistan	
7667	39.13	7.5		Dacca, Pakistan	
7670	39.11	5		R. Sofia III, Bulgaria	
7753	38.67	0.15	YNCA	R. Atlantico, Nicaragua	
7770	38.75			Peking, China	
7790	38.51	15/100		Moscow, USSR	
7850	38.20	3		R. Tirana, Albania	
	38.20	0.075		R. Pukapunyal, Australia	
7890	38.02	0.1	YNBX	R. Oriental, Nicaragua	
7935	37.81	1	HLKA	Seoul, S. Korea	
	37.81	1.5	PSL	Agencia Nacional, Brazil	
7940	37.78	1.2		R. Levante Alicante, Spain	
	37.78	0.75	EPR16	R. Resht, Iran	
7950	37.74	0.5		Kozani (FBS), Greece	
	37.74	0.75	EPU3	R. Ahwaz, Iran	
8000	37.50	2	JJY	Tokyo, Japan	
8036	37.34	2		Beyrouth, Lebanon	
8215	36.52	0.2		R. Shkodra, Albania	
8230	36.45	0.25	ZNB	Mafeking, Bechuanaland	
8644	34.70	15/100		Moscow, USSR	
8760	34.25	15/100		Moscow, USSR	
8800	34.09	0.4		R. Ecuatorial, Sp. Guinea	
8915	33.65	15/100		Moscow, USSR	
9009	33.03	50	4XB31	Tel-Aviv, Israel	
9064	33.10			Peking, China	
9090	33.00			Inner Mongol, China	
9144	32.80	100	ORU3	Bruxelles, Belgium	
9145	32.80	15/100		Moscow, USSR	
9170	32.71			Peking, China	
9200	32.61	0.5	CE920	R. Militar-Austral, Chile	
	32.61	0.5	CP25	R. Libertad, Bolivia	
9210	32.57	50	OTH	R. Congo Belge, Belg. Congo	
9230	32.50	15/100		Moscow, USSR	
9254	32.42			Bucarest, Rumania	
9340	32.10			Peking, China	
9350	32.08	15		Alma Ata, USSR	
9360	32.05	0.5	OAX4W	R. America, Peru	
9362	32.05	1	COBS	R. Progreso, Cuba	

kc/s	m	kW	Call	Stations and countries	Rem.
9363	32.04	40		R. Nacional, Spain	
9380	31.99	50	OTM2	R. Congo Belge, Belg. Congo	
	31.99	15		Alma Ata, USSR	
9390	31.95	15/100		Moscow, USSR	
	31.95			Peking, China	
9410	31.90	15/100	GRI	BBC, London, Gt. Britain	
9430	31.81	15/100		Moscow, USSR	
9444	31.76	2.5/10	WTAN	Voice of Tangier, Tangier	
9460	31.72			Peking, China	
9462	31.72			Hanoi, N. Vietnam	
9465	31.71	20	TAP	R. Ankara, Turkey	
9475	31.66	50/100		Cairo, Egypt	
9480	31.65	15/100		Moscow, USSR	
9484	31.63	10/50		Karachi, Pakistan	
9485	31.63	7.5	4VC	R. Commerce, Haiti	
	31.63	2.5/10	WTAN	Voice of Tangier, Tangier	
9490	31.61	15/100		Moscow, USSR	
	31.61	3		R. Atlantico, Canary Islands	
9495	31.60	10/50		Karachi, Pakistan	
		9500 – 9775 kc/s. – 31 metre band			
9500	31.58	10	XEWW	Voz de la Amer. Lat., Mex.	
	31.58	1	DZH3	R. Philippines, Philippines	
	31.58		CE950	R. Corporacion, Chile	
9502	31.57	1	CR6RF	R. Club de Benguela, Angola	
9504	31.57	100	OLR3B	R. Prague, Czechoslovakia	
9505	31.56	0.3	OEI32	Wien, Austria	
	31.56	7.5	PRB22	R. Record, Brazil	
	31.56	35/50/100		VOA, Tangier	
	31.56	10	JBD	Nazaki, Japan	
	31.56	3		Salisbury, S. Rhodesia	
	31.56	0.25	HOLA	R. Atlantico, Panama	
	31.56	10/100		R. Free Europe, Germany	
	31.56	0.5	OAX6H	R. Tacna, Peru	
	31.56	1	CP38	R. la Cruz del Sur, Bolivia	
9510	31.55	15/100	GSB	BBC, London, Gt. Britain	
	31.55	5	YVXJ	R. Barquisimeto, Venezuela	
	31.55	100	VLA/B9	Shepparton, Australia	
	31.55	50	VLC9	Shepparton, Australia	
	31.55	10	VLG9	Lyndhurst, Australia	
	31.55	1.5	BEC24	Taipei, Taiwan	
9515	31.53	1	FIQA	R. Tananarive, Madagascar	
	31.53	100	TAT	R. Ankara, Turkey	
	31.53	50/200	KNBH	Dixon, USA	
	31.53	15/100		Moscow, USSR	
	31.53			Caltanissetta (RAI), Italy	
	31.53	25	HBX	Geneva, Switzerland	
	31.53	1	YSO	La Voz de la Democracia, El Salvador	
9520	31.51	7.5	CBFR	Montreal, Canada	
	31.51	35		Colombo, Ceylon	
	31.51	50	OZF5	Herstedvester, Denmark	
	31.51	7.5	ZL18	Wellington, New Zealand	
	31.51	0.25	OAX4J	R. La Cronica, Peru	
	31.51	7.5	CBFR	Montreal, Canada	
	31.51	100	VLA/B9	Shepparton, Australia	
	31.51	50	VLC9	Shepparton, Australia	
	31.51	10	VLG9	Lyndhurst, Australia	
	31.51	100		Allouis, France	
	31.51	100	HEU2	United Nations, Switzerland	
9523	31.50	20		Paradys, S. Africa	
9525	31.50	15/100	GWJ	BBC, London, Gt. Britain	
	31.50	5/100		AIR, Delhi, India	
	31.50	7.5/100		Warsaw, Poland	
9526	31.49	1	OXI	Godthaab, Greenland	
9530	31.48	0.3	OAX6L	R. Nacional, Peru	
	31.48	0.25/10	VUC	AIR, Calcutta, India	
	31.48	15/100		Moscow, USSR	
	31.48			R. Novo de Julho, Brasil	
	31.48	25/100	WGEO	Schenectady, USA	
	31.48	50	WBOU	Bound Brook, USA	
	31.48	20/50/80	WRUL	R. Boston, USA	
	31.48	15/100		BBC, London, Gt. Britain	
	31.48	35		Salonika (VOA), Greece	
	31.48	0.5	YVMZ	Maracaibo, Venezuela	
9535	31.46	100		Hörby, Sweden	
	31.46	100	HER4	Swarzenburg, Switzerland	
9540	31.45	100	VLA/B9	Shepparton, Australia	
	31.45	50	VLC9	Shepparton, Australia	
	31.45	10	VLG9	Lyndhurst, Australia	
	31.45	7.5/100		Warsaw, Poland	
	31.45	100		Allouis, France	
	31.45	7.5	ZL2	Wellington, New Zealand	
	31.45	0.1	VE9AI	Edmonton, Canada	
	31.45	10	LKJ2	Tromsö, Norway	
9543	31.44	7.5		Rangoon, Burma	
9545	31.43	0.25	XEFT	La Voz de Vera Cruz, Mex.	
9545	31.43	75/200	WLWO	Mason, USA	
	31.43	0.3	OAX4K	R. Central, Peru	
	31.43	10/50		Karachi, Pakistan	
	31.43	15/100		Moscow, USSR	
	31.43	7.5	ZYS30	R. Emis. Paranaense, Brazil	
	31.43	8/100		Munich (VOA), Germany	
9550	31.41	100	OLR3A	R. Prague, Czechoslovakia	
	31.41	100		Allouis, France	
	31.41	15/100	GWB	BBC, London, Gt. Britain	
	31.41	0.25/10	VUB	AIR, Bombay, India	
	31.41	10	YDQ2	Makassar, Indonesia	
	31.41	5/25/50/100		Vatican City, Italy	
	31.40	50/200	KNBH	Dixon, USA	
	31.41	10	LLD	Tromsö, Norway	
	31.41	2	DZI2	Manila, Philippines	
9555	31.40	5	YSS	Alma Cuscatleca, El Salvador	
	31.40	15	OIX2	Pori, Finland	
	31.40	0.5	XETT	La Hora Exacta, Mexico	
	31.40	7.5		Damascus, Syria	
	31.40	1	CP6	R. Illimani, Bolivia	
	31.40	15/100		BBC, London, Gt. Britain	
9560	31.38	15/100		BBC, London, Gt. Britain	
	31.38	100	VLA/B9	Shepparton, Australia	
	31.38	50	VLC9	Shepparton, Australia	
	31.38	10	VLG9	Lyndhurst, Australia	
	31.38	100		Allouis, France	
	31.38	75/100		BBC, Singapore, Malaya	
	31.38	10	JBD2	Yamata, Japan	
9562	31.37	40	OAX4R	R. Nacional, Peru	
9565	31.36	10	ZYK3	R. Jornal do Com., Brazil	
	31.36	15/100		Moscow, USSR	
	31.36	2.5/10/20		R. Liberation, Germany	
9570	31.35	0.35	CP21	R. La Plata, Bolivia	
	31.35	1	YVOM	Ecos del Torbes, Venezuela	
	31.35	15/100	GWX	BBC, London, Gt. Britain	
	31.35	100		Bucarest, Rumania	
	31.35	0.25	DUH3	The Peoples Station, Philip.	
	31.55	50/200	KCBR4	VOA Delano, USA	
9575	31.33	50/60/100		R. Roma, Italy	
	31.33	20	BED5	Taipei, Taiwan	
	31.33		ZYZ27	R. Mayrink Veiga, Brazil	
9580	31.32	100	VLA/B9	Shepparton, Australia	
	31.32	50	VLC9	Shepparton, Australia	
	31.32	10	VLG9	Lyndhurst, Australia	
	31.32	15/100	GSC	BBC, London, Gt. Britain	
9585	31.30	0.3	OAX4N	R. Selecta, Peru	
	31.30	100	OLR3F	R. Prague, Czechoslovakia	
	31.30	50	CKLP	R. Canada, Canada	
	31.30	2.5/10/20		R. Liberation, Germany	
	31.30	20/50/80	WRUL	R. Boston, USA	
9590	31.28	100	WO2/4	R. Nederland, Holland	
	31.28	0.2	OAX5C	R. Universal, Peru	
	31.28	7.5/50		Manila (VOA), Philippines	
	31.28	0.25/10	VUM	Madras, India	
	31.28	50/200	KNBH	Dixon, USA	
9593	31.27	40		Kiev, USSR	
9595	31.27	10/100		R. Free Europe, Germany	
	31.27	2.5/10/20		L. Riberation, Germany	
	31.27	10	JOZ3	Tokyo, Japan	
9600	31.25	15/100	GRY	BBC, London, Gt. Britain	
	31.25	2.5	CE960	R. La Americana, Chile	
	31.25	5/100	VUD	Delhi, India	
	31.25	50/200	KCBR	Delano, USA	
	31.25			Leningrad, USSR	
9605	31.23	10/100		R. Free Europe, Germany	
9605	31.23	100		R. Nacional, Spain	
9607	31.23	5/7.5		Athens, Greece	
	31.23	0.25	HP5J	La Voz de Panama, Panama	
9610	31.22	2	VLW9	Perth, Australia	
	31.22	10	VLX9	Perth, Australia	
	31.22	50	CHLS	R. Canada, Canada	
	31.22	7.5	CBFX	Montreal, Canada	
	31.22	25	ZYC8	R. Tamoio, Brazil	
	31.22	10/100	LLG	Fredrikstad, Norway	
	31.22	15/100		Moscow, USSR	
	31.22	0.3	OAX8C	R. Nacional, Peru	
	31.22	10	CR8AB	Emisora de Goa, Goa	
9614	31.20	10/50		Karachi, Pakistan	
	31.20	7.5		Dacca, Pakistan	
9615	31.20	100	VLA/B9	Shepparton, Australia	
	31.20	50	VLC9	Shepparton, Australia	
	31.20	10	VLG9	Lyndhurst, Australia	
	31.20	35/50/100		VOA-Tangier	
	31.20	0.3	OEI33	Wien, Austria	
9615	31.20	15/100		BBC, London, Gt. Britain	
	31.20	3	TIDCR	Diario de Costa R., Costa R.	

kc/s	m	kW	Call	Stations and countries	Rem.
9615	31.20	7.5/100		Warsaw, Poland	
	31.20	0.25	DUH4	The Peoples Station, Philipp.	
9620	31.19	2.5	ETHA	Addis Ababa, Ethiopia	
	31.19	12	3WT11	R. Nationale, S. Vietnam	
	31.19	7.5	ZL8	Wellington, New Zealand	
	31.19	1	COJK	Voz del Camagüeyana, Cuba	
	31.19	100		Hörby, Sweden	
	31.19	20	CXA6	S.O.D.R.E., Uruguay	
	31.19	8/100		Munich (VOA), Germany	
9625	31.17	15/100		Moscow, USSR	
	31.17	7.5/100		BBC, Singapore, Malaya	
	31.17	15/100	GWO	BBC, London, Gt. Britain	
	31.17	10	XEBT	El Buen Tono, Mexico	
	31.17	50		R. Brazzav. (R.-A.E.F.) Fr. Equat. Afr.	
9630	31.15	50	CKLO	R. Canada, Canada	
	31.15	5/100	VUD	Delhi, India	
	31.15	5.5	CBFO	Montreal, Canada	
	31.15	35		Okinawa (VOA), Ruykyu Isl.	
	31.15	100	DMQ9	Deutsche Welle, Germany	
	31.15	3 d.	4VEH	La Voix Evangelique, Haiti	
	31.15	10/50		Karachi, Pakistan	
	31.15	50/60/100		R. Roma, Italy	
9632	31.15	1	CR6RL	R. Clube de Angola, Angola	
9635	31.14		ZYR83	R. Aparecida, Brazil	
	31.14	35/50/100		VOA, Tangier	
9640	31.12	3	CXA8	R. Real de San Carlos, Urug.	
	31.12	100	DMQ9	Deutsche Welle, Germany	
	31.12	100		Allouis, France	
	31.12	15/100	GVZ	BBC, London, Gt. Britain	
	31.12	1	DZH2	Voice of the Philippines, Philippines	
	31.12	100	HLKA	Suwon, S. Korea	
9645	31.10	2	TIFC3	Faro del Caribe, Costa Rica	
	31.10	10/100	LLH	Fredrikstad, Norway	
	31.10	7.5	ZYV40	R. Cultara de Pocos de Caldas, Brazil	
	31.10	10/50		Karachi, Pakistan	
	31.10	7.5		Dacca, Pakistan	
	31.10	1		Lahore, Pakistan	
9646	31.10	5/25/50/100		Vatican City, Italy	
9650	31.09	100	VLA/B9	Shepparton, Australia	
	31.09	50	VLC9	Shepparton, Australia	
	31.09	10	VLG9	Lyndhurst, Australia	
	31.09	50	WDSI	Brentwood, USA	
	31.09	7.5/20	ZJM8	Sharq al Adna, Cyprus	
	31.09	100		Honolulu (VOA), Hawaii	
	31.09	15/100		Moscow, USSR	
	31.09	3		Djeddah, Saudi Arabia	
9655	31.07	10/100		R. Free Europe, Germany	
	31.07	5	JKI2	Tokyo, Japan	
	31.07	50	OTC,	Leopoldville, Belg. C.	
9656	31.07	3 d	4VEH	La Voix Evangélique, Haiti	
9660	31.06	7.5	LRX	R. El Mundo, Argentina	
	31.06	10	VLQ9	Brisbane, Australia	
	31.06	15/100	GWP	BBC, London, Gt. Britain	
	31.06	5/25/50/100		Vatican City, Italy	
	31.06	15/100		Moscow, USSR	
	31.06	1		Srinagar, Kashmir	
	31.06	1	4VBM	Magloire Broadc. Circ., Haiti	
9665	31.04	0.3	OEI23	Wien, Austria	
	31.04	5/100	VUD	AIR, Delhi, India	
	31.04	4	OEI23	Kronstorf, Austria	
	31.04	2.5/10/20		R. Liberation, Germany	
9668	31.03	5	TGNB	R. Cultural, Guatemala	
9670	31.02	5	COCQ	Circuito CMQ, Cuba	
	31.02	7.5/50		Manila, (VOA), Philippines	
	31.02	50	WBOU	Bound Brook, USA	
	31.02	100	OLR3C	R. Prague, Czechoslovakia	
9675	31.01			R. Diario da Munha, Brazil	
	31.01	100		Allouis, France	
	31.01	5/100	VUD	AIR, Delhi, India	
	31.01	50/100	JOB3	Tokyo, Japan	
	31.01	15/100	GWT	BBC, Gt. Britain	
	31.01	20/50/80	WRUL	R. Boston, USA	
9678	31.00	100		R. Nacional, Spain	
9680	30.99	100	VLA/B9	Shepparton, Australia	
	30.99	50	VLC9	Shepparton, Australia	
	30.99	10	VLG9	Lyndhurst, Australia	
	30.99	5	VLR9	Melbourne, Australia	
	30.99	10	VLH9	Melbourne, Australia	
	30.99	100		Allouis, France	
	30.99	20	EQC	R. Teheran, Iran	
	30.99	1	XEQQ	R. Mexicana del Centro, M.	
	30.99	20		Paradys, S. Africa	
	30.99	15/100		Moscow, USSR	
9680	30.99	2.5/10/20		R. Liberation, Germany	
	30.99			Peking, China	
9685	30.98	1	HOF31	Onda Popular, Panama	
	30.98	50		R. Gazeta, Brazil	
	30.98	35/50/100		VOA, Tangier	
	30.98	75/200	WLWO	Cincinnati, USA	
	30.98	0.5	BED36	Taipei, Taiwan	
9690	30.95	100	LRA	R. del Estado, Argentina	
	30.95	15/100	GRX	BBC, Gt. Britain	
	30.95	7.5/100		BBC, Singapore	
9695	30.94	10/100		R. Free Europe, Germany	
	30.94	50/100	JOA3	Tokyo, Japan	
	30.94	100		R. Nacional, Spain	
	30.94	5/100		AIR, Delhi, India	
9700	30.93	100		R. Sofia, Bulgaria	
	30.93	15/100	GWY	BBC, London, Gt. Britain	
	30.93	50	WDSI	Brentwood, USA	
	30.93	50/200	KCBR	Delano, VOA, USA	
	30.93	5	CE970	R. Cooperativa Vitalicia, Chile	
9705	30.91	10/50		Karachi, Pakistan	
	30.91	2.5/10/20		R. Liberation, Germany	
	30.91	100/20	ORU3/5	Bruxelles, Belgium	
	30.91	10	ZYZ24	R. Maua, Brazil	
9710	30.90	5/100	VUD	AIR, Delhi, India	
	30.90	50	YDF6	Djakarta, Indonesia	
	30.90	50/60/100		R. Roma, Italy	
	30.90	15/100		R. Moscow, USSR	
9715	30.88	10/100		R. Free Europe, Germany	
	30.88	100	WO2,3,4	R. Nederland, Holland	
9717	30.87	10/100		R. Free Europe, Germany	
9720	30.86	5/100	VUD	AIR, Delhi, India	
	30.86	50	PRL7	R. Nacional, Brazil	
	30.86	15/100		Moscow, USSR	
9725	30.85	15/100		BBC, London, Gt. Britain	
	30.85	7.5/100		BBC, Singapore, Malaya	
	30.85	10/100		R. Free Europe, Germany	
	30.85	75/200	WLWO	Cincinnati, USA	
9730	30.83	12		R. DDR, Germany	
	30.83	10	DZH7	"The Call of the Orient", Philippines	
	30.83	2.5/10/20		R. Liberation, Germany	
	30.83	7		R. Brazzaville, Fr. Equ. Afr.	
9735	30.82	15/100	GWF	BBC, London, Gt. Britain	
	30.82			Peking, China	
	30.82	1.2	ZPA4	R. Stentor, Paraguay	
	30.82	7.5	HI2T	La Voz Dominicana, Dom R..	
	30.82	100	DMQ9	Deutsche Welle, Germany	
9740	30.80	10/50		Karachi, Pakistan	
	30.80	15/100		BBC, London, Gt. Britain	
	30.80	5/100	VUD	Delhi, India	
	30.80	15/100		R. Moscow, USSR	
	30.80	1	COKG	R. Santiago de Cuba	
	30.80	100	CSA27	R. Nacional, Portugal	
	30.80	35/50/100		VOA, Tangier	
9743	30.79	10	LRS 1	R. Splendid, Argentina	
9745	30.78	100/20	ORU3/5	Bruxelles, Belgium	
	30.78	100	WO2, 3, 4	R. Nederland, Holland	
	30.78	50	HCJB	Voz de los Andes, Ecuador	
	30.78	5/100	VUD	AIR, Delhi, India	
	30.78	3.5	BEC28	Taipei, Taiwan	
9746	30.78	100	CSA28	R. Nacional, Portugal	
9750	30.77	10/100		R. Free Europe, Germany	
	30.77	15/100		Moscow, USSR	
	30.77			Leningrad, USSR	
	30.77	3		Djeddah, Saudi Arabia	
	30.77	15/100		BBC, London, Gt. Britain	
	30.77	100		Allouis, France	
9754	30.76	25		R. Nationale, Vietnam	
9755	30.76	100		Allouis, France	
	30.77	15/100		BBC, London, Gt. Britain	
	30.76	5/100	VUD	AIR, Delhi, India	
	30.76	10/50		Karachi, Pakistan	
	30.76	1	CR6RH	Sa da Bandeira, Angola	
	30.76	7.5	ZYW23	R. Brasil Central, Brazil	
9760	30.74	15/100	MCR	BBC, London, Gt. Britain	
	30.74	10	TGWA	R. Nacional, Guatemala	
	30.74	35/50/100		VOA, Tangier	
	30.74	40	LRY1	R. Belgrano, Argentina	
	30.74	5/100	VUD	Delhi, India	
9765	30.72	2.5/10/20		R. Liberation, Germany	
	30.72	100		Allouis, France	
	30.72	15/100		BBC, London, Gt. Britain	
	30.72	3	CR6RZ	R. Angola, Angola	
	30.72	100	ORU4	Bruxelles, Belgium	
	30.72			Peking, China	

kc/s	m	kW	Call	Stations and countries	Rem.
9770	30.71	15/100	MCN	BBC, London, Gt. Britain	
	30.71	15/100		Moscow, USSR	
	30.71	10	PRL4	R. Dif. Educativa, Brazil	
9775	30.69	100	CSA76	R. Nacional, Portugal	
	30.69	3	BEC32	Taipei, Taiwan	
9790	30.64	50/100		Cairo, Egypt	
	30.64	15/100		Moscow, USSR	
9800	30.61	5/100		AIR, Delhi, India	
9805	30.60	5/100		AIR, Delhi, India	
9825	30.53	15/100	GRH	BBC, London, Gt. Britain	
9833	30.51	100		R. Budapest, Hungary	
	30.51	1	COBL	R. Aeropuerto, Cuba	
9840	30.49	2		Baku, USSR	
	30.49			Hanoi, N. Vietnam	
9850	30.46	15/100		Moscow, USSR	
	30.46	5/100		AIR, Delhi, India	
9865	30.45	50	YDF8	Djakarta, Indonesia	
9875	30.38	3		Djeddah, Saudi Arabia	
9880	30.36	15/100		Moscow, USSR	
9915	30.26	15/100	GRU	BBC, London, Gt. Britain	
9964	30.09	1.5		R. AEF, Fr. Equatorial Afr.	
9972	30.08			Peking, China	
10000	30.00	2	WWVH	Puunene, Hawaii	
	30.00	0.5	MSF	Teddington, Gt. Britain	
	30.00	9	WWV	Washington, USA	
	30.00	1	JJY	Tokyo, Japan	
	30.00	2	LOL	Buenos Aires, Argentina	
10150	29.56	1	4VRW	R. Haiti, Haiti	
10200	29.40	1.5	BEC26	Taipei, Taiwan	
10200	29.35	1.5	PSH	Agencia Nacional, Brazil	
10260	29.24			Peking, China	
10332	29.04		GPB30	Rugby, Gt. Britain	
11040	27.17			Inner Mongol, China	
11300	26.55			Peking, China	
11455	26.19			Peking, China	
11515	26.05			Peking, China	
11516	26.04	10/20		R. Africa Tangier (IBRA), T.	
11600	25.86			Peking, China	
11630	25.79			Leningrad, USSR	
11640	25.77	5/100		AIR, Delhi, India	
11650	25.75	10/50		Karachi, Pakistan	
	25.75			Peking, China	
11670	25.71	50	OTH	R. Congo B., B. Congo	
	25.71	50	HSK9	R. Thailand, Thailand	
	25.71	50/10		Cairo, Egypt	
11680	25.68	15/100	GRG	BBC, London, Gt. Britain	
	25.68	10	HJKZ	R. Nacional, Colombia	
11685	25.67	5/25/50/100		Vatican City, Italy	
11690	25.66	15/100		Moscow, USSR	
	25.66			Peking, China	
		11700–11975 kc/s. – 25 metre band			
11700	25.64	100		Allouis, France	
	25.64	15/100	GVW	BBC, London, Gt. Britain	
	25.64	15/100		Moscow, USSR	
	25.64	7.5/100		BBC, Singapore, Malaya	
11705	25.63	50/100	JOA4	Tokyo, Japan	
	25.63	5/100	VUD	Delhi, India	
	25.63	100		Hörby, Sweden	
	25.63	100	HNG	Baghdad, Iraq	
	25.63	7.5	CBFY	Montreal, Canada	
	25.63	50	CKXA	R. Canada, Canada	
	25.63	7.5/100		Warsaw, Poland	
11710	25.62	100	VLA/B11	Shepparton, Australia	
	25.62	50	VLC11	Shepparton, Australia	
	25.62	10	VLG11	Lyndhurst, Australia	
	25.62	50/200	KNBH	Dixon, USA	
	25.62	50/100/200	KCBR	Delano, USA	
	25.62	50	WBOU	Bound Brook, USA	
	25.62	20/50/80	WRUL	R. Boston, USA	
	25.62	15/100		Moscow, USSR	
	25.62	5/100	VUD	Delhi, India	
11715	25.61	5/100	VUD	Delhi, India	
	25.61			Peking, China	
11718	25.60	5/7.5		Athens, Greece	
11720	25.60	50	OTM4	R. Congo Belge, B. Congo	
	25.60	7	OQ2AA	R. Leo, Belgian Congo	
	25.60	7.5	CBFL	Montreal, Canada	
	25.60	50	CHOL	R. Canada, Canada	
	25.60	2.5/10/20		R. Liberation, Germany	
	25.60	10	PRL8	R. Nacional, Brazil	
	25.60	2	CKRX	Winnipeg, Canada	
	25.60	7.5/20	ZJM7	Sharq al Adna, Cyprus	
	25.60	15/100		Moscow, USSR	
	25.60	40		Kiev, USSR	
11725	25.58	10/100		R. Free Europe, Germany	
	25.58	50/100	JOA8/JOB6	Tokyo, Japan	

kc/s	m	kW	Call	Stations and countries	Rem.
11725	25.58	7.5		Dacca, Pakistan	
	25.58	10/50		Karachi, Pakistan	
	25.58	15/100		BBC, London, Gr. Britain	
	25.58	100	OLR4E	R. Prague, Czechoslovakia	
11730	25.58	15/100	GVV	BBC, London, Gt. Britain	
	25.58	100	WO2/4	R. Nederland, Holland	
11735	25.56	10/100	LKQ	Fredrikstad, Norway	
	25.56	5	CXA7	R. Oriental, Uruguay	
	25.56	10/100		R. Free Europe, Germany	
	25.56	35		N. Luzon (VOA), Phillipp.	
11740	25.55	100	VLA/B11	Shepparton, Australia	
	25.55	10	VLG11	Shepparton, Australia	
	25.55	50	VLC11	Lyndhurst, Australia	
	25.55	5	CE1174	R. Nuevo Mundo, Chile	
	25.55	5/25/50/100		Vatican City, Italy	
	25.55	7.5/100		Warsaw, Poland	
	25.55	20/50/80	WRUL	R. Boston, USA	
	25.55	15/100		Moscow, USSR	
11741	25.55	7.5	CR7BF	R. Clube de Mozamb., Moz.	
11745	25.54	3.5	BEC22	Taipei, Taiwan	
	25.54	10/100		R. Free Europe, Germany	
	25.54	5/100		AIR, Delhi, India	
11750	25.53	15/100	GSD	BBC, London, Gt. Britain	
	25.53	3		Djeddah, Saudi Arabia	
	25.53	10		Tokyo (FEN), Japan	
	25.53	0.35	TGCX	R. Cristal, Guatemala	
11755	25.52	15/100		Moscow, USSR	
	25.52	10/100		R. Free Europe, Germany	
11760	25.51	100	VLA/B11	Shepparton, Australia	
	25.51	50	VLC11	Shepparton, Australia	
	25.51	10	VLG11	Lyndhurst, Australia	
	25.51	50	CKRA	R. Canada, Canada	
	25.51	7.5	CBFA	Montreal, Canada	
	25.51	10/100		R. Free Europe, Germany	
	25.51	35		Courier (VOA), Greece	
	25.51	35/50/100		VOA, Tangier	
	25.50	15/100		Moscow, USSR	
11765	25.50	2.5/10/20		R. Liberation, Germany	
	25.50	7.5/50		Manila (VOA), Philippines	
	25.50	25	ZYB8	R. Tupi de Sao Paulo, Brazil	
11770	25.49	100	VLA/B11	Shepparton, Australia	
	25.49	50	VLC11	Shepparton, Australia	
	25.49	10	VLG11	Lyndhurst, Australia	
	25.49	35		Colombo, Ceylon	
	25.49	15/100	GVU	BBC, London, Gt. Britain	
	25.49	7.5	YDE	Djakarta, Indonesia	
	25.49	100	YDF2/7	Djakarta, Indonesia	
	25.49	10/50		Karachi, Pakistan	
11775	25.48	50/200	KNBH	Dixon, USA	
	25.49	0.2	OEI35	Wien, Austria	
	25.48	7.5/100		Warsaw, Poland	
	25.48		ZYZ28	R. Mayrink Veiga, Brazil	
11780	25.47	50/100	JOB4	Tokyo, Japan	
	25.47	7.5	ZL3	Wellington, New Zealand	
	25.47	2.5/10/20		R. Liberation, Germany	
	25.47	20/50/80	WRUL	R. Boston, USA	
	25.47	15/100		BBC, London, Gt. Britain	
	25.47	7.5/100		BBC, Singapore, Malaya	
	25.47	15/100		Moscow, USSR	
11785	25.46	40		Kiev, USSR	
	25.46	0.2	OEI24	Wien, Austria	
	25.46	35/50/100		VOA, Tangier	
	25.46	2.5/10/20		R. Liberation, Germany	
	25.46	5/100	VUD	Delhi, India	
11790	25.45	35		N. Luzon (VOA), Philippines	
	25.45	15/100	GWV	BBC, London, Gt. Britain	
	25.45	50	WDSI	Brentwood, USA	
	25.45	50	WBOU	Bound Brook, USA	
	25.45	15/100		Moscow, USSR	
11795	25.43	100	DMQ11	Deutsche Welle, Germany	
	25.43	100	YDF3	Djakarta, Indonesia	
11800	25.42	1	CE1180	R. Soc. Nac. de Agricult., C.	
	25.42	5/100	VUD	Delhi, India	
	25.42	15/100	GWH	BBC, London, Gt. Britain	
	25.42	20	BED4	Taipei, Taiwan	
	25.42	50	JKI4	Tokyo, Japan	
	25.42	10	ELWA	Monrovia, Liberia	
	25.42	1		Lahore, Pakistan	
11810	25.40	100	VLA/B11	Shepparton, Australia	
	25.40	50	VLC11	Shepparton, Australia	
	25.40	10	VLG11	Lyndhurst, Australia	
	25.40	50/200	KCBR	Delano, USA	
	25.40	10/50		Karachi, Pakistan	
	25.40	50/60/100		R. Roma, Italy	
	25.40	75/200	WLWO	Cincinnati, USA	
	25.40	7.5	ZL9	Wellington, New Zealand	

kc/s	m	kW	Call	Stations and countries	Rem.
11810	25.40	15/100		Moscow, USSR	
11815	25.39	10/100		R. Free Europe, Germany	
		50	BED6	Taipei, Taiwan	
	25.39	100		R. Nacional, Spain	
	25.39	5		R. Brasil Central, Brazil	
11820	25.38	15/100	GSN	BBC, London, Gt. Britain	
	25.38	7.5/100		BBC, Singapore, Malaya	
	25.38	5	XEBR	El Heraldo de Sonora, Mex.	
11825	25.37	15/100		Moscow, USSR	
	25.37	2.5/10/20		R. Liberation, Germany	
	25.37	10	ZYK32	R. Jornal do. Com., Brazil	
11830	25.36	50/200	KCBR	Delano, USA	
	25.36	50	WBOU	Bound Brook, USA	
	25.36	50	WDSI	Brentwood, USA	
	25.36	7.5	ZL19	Wellington, New Zealand	
	25.36	8/100		Munich, VOA, Germany	
	25.36	15/100		Moscow, USSR	
	25.36	10/100		R. Free Europe, Germany	
	25.36	5/100		Delhi, India	
11835	25.35			Peking, China	
	25.35	5	CXA19	El Espectador, Uruguay	
	25.35	35		Okinawa (VOA), Ryukyu Isl.	
	25.35	100	OLR4H	R. Prague, Czechoslovakia	
	25.35	35		VOA, Ceylon	
11840	25.34	100	CSA31	R. Nacional, Portugal	
	25.34	10	VLG11	Lyndhurst, Australia	
	25.34	50	VLC11	Shepparton, Australia	
	25.34	100	VLA/B11	Shepparton, Australia	
	25.34	2	VLW11	Perth, Australia	
	25.34	15/100	GWQ	BBC, London, Gt. Britain	
	25.34	0.25	DUH5	The Peoples Station, Philipp.	
	25.34	15/100		Moscow, USSR	
	25.34	1		Lahore, Pakistan	
	25.34	20		Paradys, S. Africa	
	25.34	8/100		Munich (VOA), Germany	
11845	25.33	100		Allouis, France	
	25.33	10/50		Karachi, Pakistan	
	25.33	35		Salonika (VOA), Greece	
11850	25.32	3		Djeddad, Saudi Arabia	
	25.32	10	VLG11	Lyndhurst, Australia	
	25.32	100	VLA/B11	Shepparton, Australia	
	25.32	50	VLC11	Shepparton, Australia	
	25.32	100/20	ORU4/5	Bruxelles, Belgium	
	25.32	2.5	CE1185	R. La Cruz del Sur, Chile	
	25.32	10/100	LLK	Fredrikstad, Norway	
	25.32	5	TGNC	R. Cultural, Guatemala	
	25.32	1.2	ZPA3	R. Teleco, Paraguay	
	25.32	100		Honolulu (VOA), Hawaii	
11855	25.31	10/100		R. Free Europe, Germany	
	25.31	10	DZH8	The Call of the Orient, Philip.	
	25.31			R. Novo de Julho, Brazil	
11860	25.30	15/100	GSE	BBC, London, Gt. Britain	
	25.30	15/100		R. Moscow, USSR	
11862	25.29	10	CRCRZ	R. Angola, Angola	
11865	25.28	100	HERS	Schwarzenburg, Switzerland	
	25.28	5	PRA8	R. Clube de Pernamb., Brazil	
11870	25.27	50	WBOU	Boundbrook, USA	
	25.27	10	VLG11	Lyndhurst, Australia	
	25.27	50	WDSI	Brentwood, USA	
	25.27	100	VLA/B11	Shepparton, Australia	
	25.27	50	VLC11	Shepparton, Australia	
	25.27	50/200	KCBR	Delano, USA	
	25.27	50/200	KNBH	Dixon, USA	
11875	25.26	35		VOA, Ceylon	
	25.26	35/50/100		VOA, Tangier	
	25.26	5/100		AIR, Delhi, India	
11880	25.25	15/100		Moscow, USSR	
	25.25	20	LRS	R. Splendid, Argentina	
	25.25	10	VLG11	Lyndhurst, Australia	
	25.25	10	VLH11	Melbourne, Australia	
	25.25	100	VLA/B11	Shepparton, Australia	
	25.25	50	VLC11	Shepparton, Australia	
	25.25	15/100	GRE	BBC, London, Gt. Britain	
	25.25	7.5/100		BBC, Singapore, Malaya	
	25.25	1	XEHH	La Voz Potosina, Mexico	
	25.25	100		Hörby, Sweden	
11885	25.24	10/100		R. Free Europe, Germany	
	25.24	50		Petropavlovsk, USSR	
	25.24			Leningrad, USSR	
	25.24	10/50		Karachi, Pakistan	
	25.24	7.5		Dacca, Pakistan	
11890	25.23	7.5		Dacca, Pakistan	
	25.23	15/100	GWW	BBC, London, Gt. Britain	
	25.23	5/100	VUD	AIR, Delhi, India	
	25.23	50	WBOU	Bound Brook, USA	
	25.23	75/200	WLWO	Cincinnati, USA	
11890	25.23	8/100		Munich (VOA), Germany	
11895	25.22	25		Dakar Federal, Fr. W. Afr.	
	25.22	5/100	VUD	Delhi, India	
	25.22	10/100		R. Free Europe, Germany	
	25.22	35		Salonika, (VOA), Greece	
11900	25.21	10	VLG11	Lyndhurst, Australia	
	25.21	50	VLC11	Shepparton, Australia	
	25.21	100	VLA/B11	Shepparton, Australia	
	25.21	0.25	OQ2AB	R. Elisabeth, B. Congo	
	25.21	50	CKEX	R. Canada, Canada	
	25.21	20		Paradys, S. Africa	
	25.21	50/200	WLWO	Cincinnati, USA	
	25.21	15/100		Moscow, USSR	
	25.21	5	XEXE	R. Dif. Mexico, Mexico	
	25.21	20	CXA10	S.O.D.R.E., Uruguay	
	25.21			Peking, China	
11905	25.20	50/60/100		R. Roma, Italy	
	25.20	5/100	VUD	Delhi, India	
11910	25.19	15/100	MCO	BBC, London, Gt. Britain	
	25.19	100		Budapest, Hungary	
	25.19	0.5	HSK7	R. Thailand, Thailand	
	25.19	15/100		Moscow, USSR	
11914	25.18	10/50		Karachi, Pakistan	
11915	25.18	100	CSA30	R. Nacional, Portugal	
	25.18	5/100	VUD	Delhi, India	
	25.18	10	HCJB	La Voz de los Andes, Ecuador	
	25.18	10/100		R. Free Europe, Germany	
11920	25.17	100		Allouis, France	
	25.17	10		R. Atlantico, Lisboa, Portug.	
	25.17	5/100	VUD	AIR, Delhi, India	
11925	25.16	100	CSA71	R. Nacional, Portugal	
	25.16	10	ZYR78	R. Bandeirantes, Brazil	
	25.16	2.5/10/20		R. Liberation, Germany	
	25.16	100	HLKA	Suwon, S. Korea	
11927	25.16	5/7.5		R. Athens, Greece	
11930	25.15	15/100	GVX	BBC, London, Gt. Britain	
	25.15	7.5/100		BBC, Singapore, Malaya	
11935	25.14	0.2	OEI36	Wien, Austria	
	25.14	7.5		R. Clube Paranaense, Brazil	
	25.14			Peking, China	
	25.14	2.5/10/20		R. Liberation, Germany	
11936	25.14	20		Paradys, S. Africa	
11937	25.13	100		Bucarest, Rumania	
11940	25.13	5/25/50/100		Vatican City, Italy	
	25.13	35/50/100		VOA, Tangier	
	25.13	10/100		R. Free Europe, Germany	
	25.13	10	DZ15	Manila, Philippines	
	25.13	5	CE1194	R. Cooperativa Vitalicia, Chile	
11945	25.12	15/100	MCQ	BBC, London, Gt. Britain	
	25.12	15/100		Moscow, USSR	
	25.12	100	DMQ11	"Deutsche Welle", Germany	
	25.12	50	CKNK	R. Canada, Canada	
11950	25.10	100	WO2/3/4	R. Nederland, Holland	
	25.10	5/100	VUD	AIR, Delhi, India	
	25.10	3		Djeddah, Saudi Arabia	
	25.10	10.5	PRL5	R. Dif. Educativa, Brazil	
11955	25.09	15/100	GVY	BBC, London, Gt. Britain	
	25.09	7.5/100		BBC, Singapore, Malaya	
11960	25.08	15/100	MCT	BBC, London, Gt. Britain	
	25.08	5/100	VUD	AIR, Delhi, India	
	25.08	15/100		Moscow, USSR	
	25.08		CE1196	Soc. Nac. de Mineria, Chi.	
	25.08	7.5/50		Manila VOA, Philippines	
11964	25.07	100	CSA63	R. Nacional, Portugal	
11965	25.07	50	PRB24	R. Sao Paulo, Brazil	
	25.07	2.5/10/20		R. Liberation, Germany	
	25.07	15/100		BBC, London, Gr. Britain	
11970	25.06	50		Brazzaville, Fr. Eq. Africa	
	25.06	50/200	WLWO	Cincinnati, USA	
	25.06	0.5	BED37	Taipei, Taiwan	
11975	25.05	2.5/10/20		R. Liberation, Germany	
	25.05	100	OLR4K	R. Prague, Czechoslovakia	
11980	25.04	15/100		Moscow, USSR	
11990	25.02	3	ZPA5	R. Encarnacion, Paraguay	
11995	25.01	100	CSA32	R. Nacional, Portugal	
12000	25.00			Hanoi, North Vietnam	
	25.00		CE1200	R. Soc. Nac. de Agricultura, Chile	
12020	24.96	15/100		Moscow, USSR	
	24.96	5/100		AIR, Delhi, India	
12040	24.93	15/100	GRV	BBC, London, Gt. Britain	
12095	24.80	15/100	GRF	BBC, London, Gt. Britain	
12175	24.64	7	TFJ	Reykjavik, Iceland	
12270	24.45	15/100		Moscow, USSR	
12300	24.39	15/100		Moscow, USSR	
14380	20.86	15/100		Moscow, USSR	

kc/s	m	kW	Call	Stations and countries	Rem.
14670	20.43	0.3	CHU	Dom. Observatory, Canada	
15000	20.00	2	WWVH	Puunene, Hawaii	
	20.00	9	WWV	Washington, USA	
	20.00	1	JJY	Tokyo, Japan	
	20.00	2	LOL	Buenos Aires, Argentina	
15010	19.99	7.5	ETHA	Addis Ababa, Ethiopia	
15020	19.98			Hanoi, North Vietnam	
	19.98	10/20		R. Africa Tanger (IBRA),	
15040	19.95	15/100		Moscow, USSR	
15060	19.92			Peking, China	
15062	19.92	1.5		Forest Side, Mauritius	
15064	19.71	7.5		R. Clube de Mozambique, Mozambique	
15070	19.91	15/100	GWC	BBC, London, Gt. Britain	
15090	19.88	50	CKLX	R. Canada, Canada	
	19.88	5/100	VUD	AIR, Delhi, India	
		15100–15450 kc/s. – 19 metre band.			
15100	19.87	100		Allouis, France	
	19.87	32	EPB	R. Teheran, Iran	
	19.87	15/100		Moscow, USSR	
	19.87	100	CSA39	R. Nacional, Portugal	
15105	19.86	5/100	VUD	Delhi, India	
15110	19.85	15/100	GWG	BBC, London, Gt. Britain	
15115	19.85	50	HCJB	La Voz de los Andes, Ecuad.	
	19.85	10/100		R. Free Europe, Germany	
	19.85		CE1511	Soc. Nac. de Mineria, Chile	
15120	19.84	15/100		Moscow, USSR	
	19.84	50/60/100		R. Roma, Italy	
	19.84	5/25/50/100		Vatican City, Italy	
	19.84	7.5/100		Warsaw, Poland	
15125	19.83	100	CSA64	R. Nacional, Portugal	
15130	19.83	5/100	VUD	AIR, Delhi, India	
	19.83			N. Luzon (VOA), Philippin.	
	19.83	35/50/100		VOA, Tangier	
	19.83	50/200	KCBR	Delano, USA	
15135	19.82	10/50		Karachi, Pakistan	
	19.82	50/100	JOA6	Tokyo, Japan	
	19.82	7.5	PRB23	R. Panamericana, Brazil	
	19.82	50	BED8	Taipei, Taiwan	
15140	19.82	15/100	GSF	BBC, London, Gt. Britain	
	19.82	15/100		Moscow, USSR	
	19.82	0.5	BED38	Taipei, Taiwan	
15145	19.81	10/100		R. Free Europe, Germany	
	19.81	10	ZYK33	R. Jornal do Com., Brazil	
	19.81	5/100	VUD	Delhi, India	
15150	19.80	5	CE1515	R. Corporacion, Chile	
	19.80	100	YDG	Djakarta, Indonesia	
	19.80	50/200	KNBH	Dixon, USA	
	19.80	50	WBOU	Bound Brook, USA	
15155	19.80	100		Hörby, Sweden	
	19.80	25	ZYB91	R. Dif. de Sao Paulo, Brazil	
15160	19.79	100	VLA/B15	Shepparton, Australia	
	19.79	50	VLC15	Shepparton, Australia	
	19.79	10	VLG15	Lyndhurst, Australia	
	19.79	10/50		Karachi, Pakistan	
	19.79	5/100	VUD	AIR, Delhi, India	
	19.79	100	TAU	R. Ankara, Turkey	
	19.79	10	XEWW	La Voz de la America Latina, Mexico	
	19.79	8/100		Munich (VOA), Germany	
15165	19.78	50	OZF7	Herstedvester, Denmark	
	19.78	20		Damascus, Syria	
	19.78	5	ZYN7	Ceara R. Clube, Brazil	
15170	19.78	15/100		Moscow, USSR	
	19.78	10/100	LKV	Fredrikstad, Norway	
	19.78	10/100		R. Free Europe, Germany	
15175	19.77	10/100	LLM	Fredrikstad, Norway	
15180	19.76	50	OZF8	Herstedvester, Denmark	
	19.76	15/100	GSO	BBC, London, Gt. Britain	
	19.76	15/100		Moscow, USSR	
15185	19.76	10/100		R. Free Europe, Germany	
15190	19.75	50	CKCX	R. Canada, Canada	
	19.75	7.5	CBFZ	Montreal, Canada	
	19.75	5	PRK9	R. Inconfidencia, Brazil	
	19.75	100	OIX4	Pori, Finland	
	19.75	35/50/100		VOA, Tangier	
15195	19.74	20	TAQ	R. Ankara, Turkey	
	19.74	10/100		R. Free Europe, Germany	
	19.74	35		VOA, Salonika, Greece	
	19.74	35		Courier (VOA), Greece	
15200	19.74	15/100		Moscow, USSR	
	19.74			N. Luzon (VOA), Philippines	
	19.74	5/100	VUD	Delhi, India	
	19.74	100	VLA/B15	Shepparton, Australia	
	19.74	50	VLC15	Shepparton, Australia	
	19.74	10	VLG15	Lyndhurst, Australia	
15200	19.74	20/50/80	WRUL	R. Boston, USA	
	19.74		ZPA7	R. Guarani, Paraguay	
15205	19.73	5	XESC	La mas Espanola del Mundo	
	19.73	10/50		Karachi, Pakistan	
15210	19.72	100	VLA/B15	Shepparton, Australia	
	19.72	50	VLC15	Shepparton, Australia	
	19.72	10	VLG15	Lyndhurst, Australia	
	19.72	15/100	GWU	BBC, London, Gt. Britain	
	19.72	8/100		Munich (VOA), Germany	
	19.72	50	BOU	Bound Brook, USA	
15215	19.71	35		N. Luzon (VOA), Philippines	
	19.71	10/100		R. Free Europe, Germany	
15220	19.71	100	VLA/B15	Shepparton, Australia	
	19.71	50	VLC15	Shepparton, Australia	
	19.71	10	VLG15	Lyndhurst, Australia	
	19.71	15/100		Moscow, USSR	
	19.71	100	WO2/4	R. Nederland, Holland	
	19.71	7.5	ZL10	Wellington, New Zealand	
	19.71	20/50/80	WRUL	R. Boston, USA	
15225	19.70	2.5/10/20		R. Liberation, Germany	
	19.70	50/100	JOB9	Tokyo, Japan	
	19.70	20	BED3	Taipei, Taiwan	
15230	19.70	10	VLG15	Lyndhurst, Australia	
	19.70	10	VLH15	Melbourne, Australia	
	19.70	50	VLC15	Shepparton, Australia	
	19.70	100	VLA/B15	Shepparton, Australia	
	19.70	15/100	GWD	BBC, London, Gt. Britain	
	19.70	20		Paradys, S. Africa	
	19.70	50	WBOU	Bound Brook, USA	
	19.70	20/50/80	WRUL	R. Boston, USA	
15235	19.69	5/100	VUD	AIR, Delhi, India	
	19.69	50/100	JOB5	Tokyo, Japan	
15240	19.69	10	VLG15	Lyndhurst, Australia	
	19.69	100	VLA/B15	Shepparton, Australia	
	19.69	50	VLC15	Shepparton, Australia	
	19.69	100		Allouis, France	
	19.69	5/100	VUD	AIR, Delhi, India	
	19.69			Peking, China	
15245	19.68	5/100	VUD	Delhi, India	
15250	19.67	75/200	WLWO	Mason, USA	
	19.67	50/200	KNBH	Dixon, USA	
	19.67	15/100		Moscow, USSR	
	19.67	100		Bucarest, Rumania	
	19.67	7.5/50		Manila (VOA), Philippines	
15255	19.67	10/50		Karachi, Pakistan	
	19.67	5/100		AIR, Delhi, India	
	19.67	2.5/10/20		R. Liberation, Germany	
15257	19.66	10		Tokyo (FEN), Japan	
15260	19.66	15/100	GSI	BBC, London, Gt. Britain	
15265	19.66	10/100		R. Free Europe, Germany	
	19.65	35		VOA, Ceylon	
15270	19.65	7.5		Dacca, Pakistan	
	19.65	15/100		Moscow, USSR	
	19.65	50	WBOU	Bound Brook, USA	
	19.65	50	WDSI	Brentwood, USA	
	19.65	7.5/50		Manila (VOA), Philippines	
	19.65	5/100	VUD	Delhi, India	
15275	19.64	100	DMQ15	Deutsche Welle, Germany	
15280	19.63	7.5	ZL4	Wellington, New Zealand	
	19.63	100/20	ORU3/5	Bruxelles, Belgium	
15285	19.63	10	CR7BG	R. Cl. de Mozambique, Moz.	
	19.63	50	WBOU	Bound Brook, USA	
	19.63	10/50		Karachi, Pakistan	
	19.63	5/100	VUD	Delhi, India	
	19.63	8/100		Munich (VOA), Germany	
	19.63	20/50/80	WRUL	R. Boston, USA	
15290	19.62	7.5	LRU	R. El. Mundo Argentina	
	19.62	5/100	VUD	AIR, Delhi, India	
	19.62	50/200	KNBH	Dixon, USA	
	19.62	5/25/50/100		Vatican City, Italy	
15295	19.62	100		Allouis, France	
	19.62	35/50/100		VOA, Tangier	
	19.62	10/100		R. Free Europe, Germany	
15300	19.61	15/100		Moscow, USSR	
	19.61	15/100	GWR	BBC, London, Gt. Britain	
	19.61	7.5/100		BBC, Singapore, Malaya	
	19.61	2	DZH9	The Call of the Orient, Philip.	
	19.61	2.5/10/20		R. Liberation, Germany	
	19.61	0.5	CE1530	R. Soc. Nac. de Agricultura, Chile	
15305	19.60	100	HER6	Schwarzenburg, Switzerland	
15310	19.60	15/100	GSP	BBC, London, Gt. Britain	
	19.60	7.5/100		BBC, Singapore, Malaya	
	19.60			Moscow, USSR	
	19.60	5/100	VUD	Delhi, India	
15315	19.59	100	VLA/B15	Shepparton, Australia	

kc/s	m	kW	Call	Stations and countries	Rem.
15315	19.59	50	VLC15	Shepparton, Australia	
	19.59	10	VLG15	Lyndhurst, Australia	
	19.59	50/200	KCBR	Delano, USA	
	19.59	5/100	VUD	Delhi, India	
	19.59	35		Salonika (VOA), Greece	
15320	19.58	100	VLA/B15	Shepparton, Australia	
	19.58	50	VLC15	Shepparton, Australia	
	19.58	10	VLG15	Lyndhurst, Australia	
	19.58	50	CKCS	R. Canada, Canada	
	19.58	50	OZF9	Herstedvester, Denmark	
15325	19.58	15/100		Moscow, USSR	
	19.58	50/60/100		R. Roma, Italy	
	19.58	5/100	VUD	India	
15330	19.57	25/100	WGEO	Schenectady, USA	
	19.57	100		VOA, Hawaii	
	19.57	75/200	WLWO	Mason, USA	
15335	19.56	7.5		Dacca, Pakistan	
	19.56	10/50		Karachi, Pakistan	
	19.56	100	ORU4	Bruxelles, Belgium	
15340	19.56	50/200	KCBR	Delano, USA	
	19.56	8/100		VOA, Germany	
	19.56	35/50/100		VOA, Tangier	
	19.56	15/100		Moscow, USSR	
15345	19.55	5/7.5		Athens, Greece	
	19.55	35/50/100		VOA, Tangier	
	19.55	100	LRA	R. del Estado, Argentina	
15350	19.54	20/50/80	WRUL	R. Boston, USA	
	19.54	100		Allouis, France	
	19.54	5		R. Luxembourg	
	19.54			Peking, China	
15355	19.54	10/100		R. Free Europe, Germany	
15360	19.53	15/100		BBC, London, Gt. Britain	
	19.53	7.5/100		BBC, Singapore, Malaya	
	19.53	15/100		Moscow, USSR	
15365	19.53	10/100		R. Free Europe, Germany	
	19.53	100	WO2/4	R. Nederland, Holland	
15370	19.52	25	ZYC9	R. Tupi Rio de Janeiro Brazil	
	19.52	8/100		Munich (VOA), Germany	
15375	19.51	100	DMQI5	Deutsche Welle, Germany	
15380	19.50	5/100	VUD	AIR, Delhi, India	
	19.50	100	CSA42	R. Nacional, Portugal	
	19.51	35		Okinawa (VOA), Philippines	
15385	19.50	5/25/50/100		Vatican Radio, Italy	
	19.50	35/50/100		VOA, Tangier	
15390	19.49	15/100		Moscow, USSR	
	19.49	20/50/80	WRUL	R. Boston, USA	
15395	19.49	2.5/10/20		R. Liberation, Germany	
15400	19.48	100		Issoudun, France	
	19.48	50/60/100		R. Roma, Italy	
	19.48	5/100		AIR, Delhi, India	
15405	19.47	1	PZC	Paramaribo, Surinam	
	19.47	100	DMQ15	"Deutsche Welle", Germany	
	19.47	5/100	VUD	Delhi, India	
15410	19.47	35/50/100		VOA, Tangier	
	19.47	15/100		Moscow, USSR	
	19.47	100	HLKA	Suwon, S. Korea	
15415	19.46	2.5/10/20		R. Liberation, Germany	
	19.46	15/100		BBC, London, Gt. Britain	
	19.46	0.3	4VWI	La Voix Evangélique, Haiti	
15420	19.46	10/100		R. Free Europe, Germany	
	19.46	100		R. Nacional, Spain	
	19.46	50		R. Brazzav., Fr. Equat. Afr.	
	19.46	1.5		R. A.E.F. Fr. Equat. Afr.	
	19.46	7.5/100		BBC, Singapore, Malaya	
	19.46	20/50/80	WRUL	R. Boston, USA	
	19.46	15/100		BBC, London, Gt. Britain	
15425	19.45	15/100	WO2/4	R. Nederland, Holland	
15430	19.44	15/100		Moscow, USSR	
	19.44	2.5/10/20		R. Liberation, Germany	
	19.44	5/100	VUD	AIR, Delhi, India	
15435	19.44	15/100	GWE	BBC, London, Gt. Britain	
	19.44	7.5/100		BBC, Singapore, Malaya	
	19.44	15/100		Moscow, USSR	
15440	19.43	50	WBOU	Bound Brook, USA	
	19.43	1.5		R. A.E.F., Fr. Equat. Afr.	
	19.43	35/50/100		VOA, Tangier	
	19.43	50		Brazzaville, Fr. Eq. Af.	
15447	19.43	15/100	GRD	BBC, London, Gt. Britain	
15450	19.42	15/100		Moscow, USSR	
15480	19.37			Peking, China	
	19.38	5/100	VUD	Delhi, India	
15540	19.31	15/100		Moscow, USSR	
15490	19.23			Peking, China	
15640	19.18	0.25	HSK8	R. Thailand, Thailand	
15710	19.09			Peking, China	
15880	18.89			Peking, China	
17445	17.20	5/25/50/100		Vatican City, Italy	
17450	17.20			Peking, China	
17490	17.15			Peking, China	
17533	17.11			Peking, China	
17605	17.04			Peking, China	
17677	16.97	1	CR5SB	R. Clube de Sao Tomé, Port W. Africa	
17685	16.96		CIC37	Rugby, Gt. Britain	
				17700 – 17900 kc/s – 16 metre band	
17700	16.95	15/100	GVP	BBC, London, Gt. Britain	
	16.95	5/100	VUD	Delhi, India	
17710	16.94	10/50		Karachi, Pakistan	
	16.94	2.5/10/20		R. Liberation, Germany	
	16.94	20/50/80	WRUL	R. Boston, USA	
	16.94	35/50/100		VOA, Tangier	
17715	16.94	10/50		Karachi, Pakistan	
	16.94	15/100	GRA	BBC, London, Gt. Britain	
17720	16.93	0.5	BED39	Taipei, Taiwan	
	16.93	5/100	VUD	Delhi, India	
	16.93	35		Salonika (VOA), Greece	
	16.93	35/50/100		VOA, Tangier	
	16.93	100	HEU7	Schwarzenburg, Switzerland	
17725	16.93	10/100		R. Free Europe, Germany	
17730	16.92	15/100	GVQ	BBC, London, Gt. Britain	
	16.92	5/100		AIR, Delhi, India	
	16.92	2.5/10/20		R. Liberation, Germany	
17735	16.92	5/25/50/100		Vatican City, Italy	
	16.92	5/100	VUD	Delhi, India	
	16.92	10/100		R. Free Europe, Germany	
17740	16.91	15/100	GRQ	BBC, London, Gt. Britain	
	16.91	50/60/100		R. Roma, Italy	
	16.91	10/50		Karachi, Pakistan	
17745	16.90	5/7.5		R. Athens, Greece	
	16.91	15/100		BBC, London, Gt. Britain	
17750	16.90	10/50		Karachi, Pakistan	
	16.90	15/100		Moscow, USSR	
	16.90	20/50/80	WRUL	R. Boston, USA	
	16.90	35/50/100		VOA, Tangier	
17755	16.90	7.5/100		BBC, Singapore, Malaya	
	16.90	10/100	LKW	Frederikstad, Norway	
	16.90	15/100		BBC London, Gt. Britain	
	16.90	2.5/10/20		R. Liberation, Germany	
17760	16.89	5/100	VUD[1]	AIR, Delhi, India	
	16.89	50/200	KNBH	Dixon, USA	
	16.89	7.5/50		Manila (VOA), Philippines	
	16.89	25/100	WGEO	Schenectady, USA	
	16.89	35/50/100		VOA, Tangier	
17765	16.89	50/100		Cairo, Egypt	
	16.89	100		Allouis, France	
17770	16.88	50/60/100		R. Roma, Italy	
	16.88	10/50		Karachi, Pakistan	
	16.88	50/200	KCBR	Delano, USA	
	16.88	10/100		R. Free Europe, Germany	
17775	16.88	100	WO2/4	R. Nederland, Holland	
17780	16.87	5/100	VUD	AIR, Delhi, India	
	16.87	7.5/50		VOA, Manila, Philippines	
	16.87	35		N. Luzon (VOA), Philippines	
	16.87	50	WBOU	Bound Brook, USA	
17784	16.87	100	HER7	Schwarzenburg, Switzerland	
17785	16.87	50/100	JOA9/JOB7	Tokyo, Japan	
17790	16.86	100	VLA/B17	Shepparton, Australia	
	16.86	50	VLC17	Shepparton, Australia	
	16.86	10	VLG17	Lyndhurst, Australia	
	16.86	15/100	GSG	BBC, London, Gt. Britain	
	16.86	7.5/100		BBC, Singapore, Malaya	
	16.86	100	CR7BE	R. Club de Mozambique, Mo.	
	16.86	5/100	VUD	Delhi, India	
17795	16.86	5/100	VUD	Delhi, India	
	16.86	75/200	WLWO	Mason, USA	
	16.86	0.03	OEI37	Wien, Austria	
	16.86	100	JOA22	R. Tokyo, Japan	
17800	16.85	100	VLA/B17	Shepparton, Australia	
	16.85	10	VLG17	Lyndhurst, Australia	
	16.85	50	VLC17	Shepparton, Australia	
	16.85	10	OIX5	Pori, Finland	
	16.85	50/60/100		R. Roma, Italy	
	16.85	100		Hörby, Sweden	
	16.85	50/200	KNBH	Dixon, USA	
	16.85	7.5/100		Warsaw, Poland	
	16.85	35		VOA, Ceylon	
17805	16.85	1.6	DZI6	The Call of the Orient, Philip.	
	16.85	10/100		R. Free Europe, Germany	
17810	16.84	15/100	GSV	BBC, London, Gt. Britain	
	16.84	100	YDF4	Djakarta, Indonesia	
	16.84	15/100		Moscow, USSR	

kc/s	m	kW	Call	Stations and countries	Rem.
17815	16.84	100	DMQ17	Deutsche Welle, Germany	
17820	16.84	50	CKNC	R. Canada, Canada	
	16.84	5/100	VUD	India	
	16.84	35		Colombo, Ceylon	
	16.84	100	TAV	R. Ankara, Turkey	
	16.84	7.5	ZL14	Wellington, New Zealand	
	16.84	15/100		Moscow, USSR	
17825	16.83	10/100	LLN	Frederikstad, Norway	
	16.83	50/100	JOA20	Tokyo, Japan	
17830	16.83	5/100	VUD	AIR, Delhi, India	
	16.83	50/200	KNBH	Dixon, USA	
	16.83	50	WDSI	Brentwood, USA	
	16.83	15/100		Moscow, USSR	
	16.83	35/50/100		VOA, Tangier	
	16.83	8/100		VOA, Germany	
	16.83	35		VOA, Okinawa, Ryukyu Isl.	
17835	16.82	100	CSA209	R. Nacional, Portugal	
	16.82	7.5		Dacca, Pakistan	
	16.82	10/50		Karachi, Pakistan	
	16.82	10/100		R. Free Europe, Germany	
17840	16.82	100	VLA/B17	Shepparton, Australia	
	16.82	50	VLC17	Shepparton, Australia	
	16.82	10	VLG17	Lyndhurst, Australia	
	16.82	100		Hörby, Sweden	
	16.82	5/100	VUD	Delhi, India	
	16.82	5/25/50/100		Vatican City, Italy	
	16.82	35/50/100		VOA, Tangier	
	16.82	0.3	4VWI	La Voix Evangelique, Haiti	
	16.82	15/100		Moscow, USSR	
	16.82	10/100		R. Free Europe, Germany	
	16.82	100	WO2/4	R. Nederland, Holland	
17845	16.81	100	DMQ17	Deutsche Welle, Germany	
	16.81	100	ORU3	Bruxelles, Belgium	
	16.81	50/100	JOA21	Tokyo, Japan	
17850	16.81	100		Allouis, France	
	16.81	20		Damascus, Syria	
	16.81	10	PRL9	R. Nacional, Brazil	
	16.81	50/200	KCBR	Delano, USA	
17855	16.80	10/100		R. Free Europe, Germany	
	16.80	5/100	VUD	AIR, Delhi, India	
	16.80	35/50/100		VOA, Tangier	
17860	16.80	100	ORU3	Bruxelles, Belgium	
	16.80	15/100		BBC, London, Gt. Britain	
17865	16.80	20		Damascus, Syria	
	16.80	5/100	VUD	Delhi, India	
	16.80	2.5/10/20		R. Liberation, Germany	
17870	16.79	50/100	GRP	BBC, London, Gt. Britain	
	16.79	7.5/100		BBC, Singapore, Malaya	
17875	16.79	100	DMQA	Deutsche Welle, Germany	
	16.79	7.5		R. Dif. Educativa, Brazil	
	16.79	10/100		R. Free Europe, Germany	
	16.79	50	WDSI]	Brentwood, USA	
17880	16.78	15/100		Moscow, USSR	
	16.78	50/200	KCBR	Delano, USA	
17885	16.78	10/100		R. Free Europe, Germany	
17890	16.77	0.5	BED35	Taipei, Taiwan	
	16.77	15/100	GVO	BBC, London, Gt. Britain	
	16.77	7.5/100		BBC, Singapore, Malaya	
	16.77	10	HCJB	La Voz de los Andes, Ecuador	
17895	16.76	100	CSA66	R. Nacional, Portugal	
20000	15.00	1	WWV	Washington, USA	
	15.00	2	LOL	Buenos Aires, Argentina	
				21450 – 21750 kc/s – 13 metre band	
21455	13.98	35/50/100		VOA, Tangier	
21460	13.98	50/200	KNBH	Dixon, USA	
21470	13.97	15/100	GSH	BBC, London, Gt. Britain	
21480	13.97	50	WO1	R. Nederland, Holland	
21485	13.96	75/100	WLWO	Cincinnati, USA	
	13.96	15/100		BBC London, Gt. Britain	
21490	13.96	100	DMQ21	Deutsche Welle, Germany	
21495	13.95	50	CSA67	R. Nacional, Portugal	
21500	13.95	35/50/100		VOA, Tangier	
	13.95	50	WDS1	Brentwood, USA	
	13.95	20/200	KNBH	Dixon, USA	
21510	13.95	100	ORU4	Bruxelles, Belgium	
21515	13.94	5/25/50/100		Vatican R., Italy	
	13.94	75/200	WLWO	Mason, USA	
21520	13.94	100	HER8	Schwarzenburg, Switzerland	
21530	13.93	15/100	GSJ	BBC, London, Gt. Britain	
21540	13.93	100	VLA/B21	Shepparton, Australia	
	13.93	50	VLC21	Shepparton, Australia	
	13.93	0.3	4VWI	La Voix Evangélique, Haitii	
	13.93	50	WBOU	Bound Brook, USA	
21550	13.92	15/100	GST	BBC, London, Gt. Britain	
21560	13.91	50/60/100		R. Roma, Italy	
	13.91	20		Damascus, Syria	
	13.91	35		N. Luzon (VOA), Philippin.	
21570	13.91	50	WDSI	Brentwood, USA	
	13.91	5/100	VUD	Delhi, India	
21580	13.90	5/100	VUD	Delhi, India	
21590	13.90	10/50		Karachi, Pakistan	
	13.90	25/100	WGEO	Schenectady, USA	
21600	13.89	100	VLA/B21	Shepparton, Australia	
	13.89	50	VLC21	Shepparton, Australia	
	13.89	50	CKRP	R. Canada, Canada	
	13.89	10/100		R. Free Europe, Germany	
21605	13.89	100	HEI9	Schwarzenburg, Switzerland	
21610	13.88	50/100	KNBH	Bound Brook, USA	
	13.88	35/50/100		VOA, Tangier	
21620	13.87	10/100		R. Free Europe, Germany	
	13.87	100		Allouis, France	
21630	13.87	15/100	GVT	BBC, London, Gt. Britain	
	13.87	35		VOA, N.Luzon, Philippines	
	13.87	10/50		Karachi, Pakistan	
	13.87	50/200	KCBR	Delano, USA	
21640	13.86	15/100	GRZ	BBC, London, Gt. Britain	
	13.86	7.5/100		BBC, Singapore, Malaya	
21650	13.86	100	DMQ21	Deutsche Welle, Germany	
	13.86	100		Allouis, France	
21655	13.85	15/100		BBC London, Gt. Britain	
21660	13.85	15/100	MCX	BBC, London, Gt. Britain	
	13.85	5/100	VUD	Delhi, India	
21670	13.85	5	LLP	Oslo, Norway	
21675	13.84	15/100	GVR	BBC, London, Gt. Britain	
21680	13.84	100	VLA/B21	Shepparton, Australia	
	13.84	50	VLC21	Shepparton, Australia	
21690	13.83	10/50		Karachi, Pakistan	
	13.83	35/50/100		VOA, Tangier	
	13.83	5/100	VUD	Delhi, India	
21700	13.83	50	CSA49	R. Nacional, Portugal	
21710	13.82	50	CHLA	R. Canada, Canada	
	13.82	15/100	GVS	BBC, London, Gt. Britain	
21720	13.81	7.5/100		BBC, Singapore, Malaya	
	13.81	15/100		BBC London, Gt. Britain	
	13.81	10/100		R. Free Europe, Germany	
21730	13.81	5	LLQ	Oslo, Norway	
	13.81	50	WBOU	Bound Brook, USA	
21740	13.80	15/100	MCY	BBC, London, Gt. Britain	
	13.80	5/25/50/100		Vatican R., Italy	
	13.80	100		Allouis, France	
	13.80	50/200	KCBR	Delano, USA	
21745	13.80	10/100		R. Free Europe, Germany	
25000	12.00	0.1	WWV	Washington, USA	
	12.00	2	LOL	Buenos Aires, Argentina	
25440	11.66	5/25/50/100		Vatican R., Italy	
25615	11.71	20	OEI38	Fleckendorf, Austria	
25630	11.70	50/200	KCBR	Delano, USA	
25640	11.70	100	HER9	Schwarzenburg, Switzerland	
25650	11.70	15/100		BBC London, Gt. Britain	
	11.70	100	DMQ25	Deutsche Welle, Germany	
25670	11.69	35/50/100		VOA, Tangier	
25700	11.67	35		VOA, N. Luzon, Philippines	
25720	11.66	15/100	GSR	BBC, London, Gt. Britain	
25750	11.65	15/100	GSQ	BBC, London, Gt. Britain	
25780	11.64	5/25/50/100		Vatican R., Italy	
25840	11.61	15/100	GSS	BBC, London, Gt. Britain	
25850	11.60	15/100		BBC London, Gt. Britain	
25880	11.60	35/50/100		VOA, Tangier	
25900	11.58	100	DMQ25	Deutsche Welle, Germany	
25920	11.57	35/50/100		VOA, Tangier	
25945	11.56	20	OEI39	Fleckendorf, Austria	
25950	11.56	50	WBOU	Bound Brook, USA	
26080	11.50	15/100	GSK	BBC London, Gt. Britain	

SVERIGES RADIOKLUBB

is the Club for you! Pay only Crs. 10:- or 20 IRC and you will receive our monthly bulletin DX-Radio a whole year together with the Short-Wave-Logg with timeschedule, the only one in the World! Ask for sample, free of charge.

SRK, Box 5083, Stockholm 5, Sweden

CORRECTIONS AND LAST MINUTE INFORMATION:

BELGIUM FOREIGN SERVICE:
STATIONS: Delete 11720 kc/s; OTC=Leopoldville, B. Congo.
D.PRGR'S.: (October–February):

French/Dutch:	kc/s	areas	Dutch/French:	kc/s	areas
10.00–12.00	17845	Af.	18.00–19.00	9745	Af.
	21510	Af.		11850	Af.
12.00–12.15 [1])	17845	Af.	19.00–21.00 [4])	9745	Af.
	15280	S. Eu.		11850	Af.
12.15–13.00 [2])	21510	F. E.	21.15–23.00 [5])	15335	N. Am.
	17845	Af.		11850	S. Am.
	15280	S. Eu.		9745	S. Eu.
13.30–16.45 [3])	21510	Af.			
	17845	Af.	French/Dutch:		
Dutch/French:			23.15–01.00 [5])	9705	Af.
17.00–17.45 [2])	17845	Af.		9745	Af.
	15335	N. Am.		11850	N. Am.
	15280	S. Eu.		9655	N.&S.Am.

[1]) Musical Interlude; [2]) For Belgian Missionaries and Scamen; [3]) »Sport and Music« (Sun. only); 13.30–15.00 Bilingual, 15.00–16.45 in Dutch/French; [4]) Bilingual Mo., Wed., Fri., Sat., Sun.; [5]) For Belgian Seamen and Belgians in the World.

R. UFAC B. CONGO: Read Sun. time for 4980 kc/s: 08.00–09.00.

BULGARIA FOREIGN SERVICE:
EUROPEAN SERVICE:
English: 21.15–22.15. On 7670, 9700 kc/s. – **French:** 18.45–19.00. On 7670, 6070 kc/s. 20.30–21.00. On 7670, 9700 kc/s. – **German:** 19.15–19.45. On 7670, 6070 kc/s; 11.00–11.30. On 7670, 9700 (Sun. only). 21.00–21.15. On 7670, 9700 kc/s. – **Greek:** 17.45–18.15. On 7670, 6070 kc/s. 20.30–20.45. On 827 kc/s. – **Italian:** 18.15–18.30. On 7670, 6070 kc/s. 20.00–20.30. On 7670, 9700 kc/s. – **Macedonian:** 05.00–05.30. On 7670, 593 kc/s. 10.30–11.00. On 7670, 7255, 593 kc/s (Sunday only). **Serbo-Croat:** 19.00–19.15. On 7670, 6070 kc/s; 20.45–21.00. On 827 kc/s. 04.30–05.00. On 7670, 593 kc/s. 10.00–10.30. On 7670, 7255, 593 kc/s (Sun. only). – **Turkish:** 17.30–17.45. On 7670, 6070 kc/s. 18.30–18.45. On 7670, 6070 kc/s. 05.30–05.45. On 7670, 593 kc/s. **Arabic:** 17.00–17.25 On 7670, 9700 kc/s (Thurs., Fri. only).
NORTH AMERICAN SERVICE:
English: 01.00–01.30. On 9700 kc/s. 04.00–04.30. On 9700 kc/s.
SOUTH AMERICAN SERVICE: In Bulgarian for the Bulgarians living in S. America.
00.35–00.55. On 9700 kc/s (Tues., Thurs., Sat., Sun. only).

CZECHOSLOVAKIA FOREIGN SERVICE: Times indicated in Central European Time. Deduct one hour to GMT.

EL SALVADOR: RADIO NACIONAL DE EL SALVADOR.
ADDR.: Radio Nacional de El Salvador, YSS "Alma Cuscatleca", San Salvador, – **L.P.:** Dir. Gen.: C. A. Imendia, Chief Prod.: R. S. Mendoza. Chief-Eng.: G. C. Vides. Chief Adm.: A. A. Mixco. – **STATIONS:** Add.: **FM:** 150 and 170 mc/s 0.5 kW. – Correct 9555 and 6010 kc/s 5 kW. – **D. PRGR.:** All frequencies 18.00–04.00. – **National Music:** Mo., Wed., Fri.: 19.00–19.30. D. 02.00–03.00. – **N.:** 18.05, 02.00, 03.00. – **Mailbag:** Mo. 01.45, 02.00. – **Time Sig.:** Every 30 minus. – **ANN.:** "Transmite Radio Nacional de El Salvador en la America Central". – **INT.-SIG.:** Four notes on xylophone. – **VER.** by QSL-card and prgr. schedule. – **F.PL.:** M.w. 50 kW. Television. Foreign Service 1957.

R. BRAZZAVILLE, French Equatorial Africa: Delete. Beamed areas and schedule; Read: **Beamed Areas:** I=B. Congo, S. Afr., Madagascar, Oceania, Tahiti, Wallis & Futuna; II=Cameroon, AOF (Fr.W. Af.), USA & Canada (Pacific Coast); III=C. Af.; IV=Oceania, NZ., N. Caledonia, N. Hebrides, Reunion; V=M. East, Arabia, Iraq, Syria; VI=Au (Sydney), Tasmania; VII=Au (Perth); VIII=F. East, Indochina, India, Pastistan, Malaya; IX = N. Af., Sahara, Tchad; X=B. Congo, Gabon, Cameroon, Oubangui; XI= Brazzaville, Leopoldville; XII=Af.; XIII=S. Am.; XIV=A.O.F., N. Am., C. Am., Antilles, Guiana, S. Am. (Northern part).

Time	kc/s and Beamed Areas			News
05.00–07.00	15440 (I)	9730 (II)	5970 (III)	F. 05.00, 06.00, 06.50 E. 05.15
08.15–09.15	15440 (IV)			E. 08.30, F. 09.00
11.00–11.55	15420 (V)	15440 (VI)	5970 (III)	E. 11.00, F. 11.30
12.00–12.30	15440 (VI)			E. 12.00
13.30–15.15	15420 (VIII)			F. 13.30, 15.00 E. 14.30
14.00–17.00	9625 (IX)	5970/4795 (X)	1484 (XI)	Sun. only »Sport and music« relay fr. Paris.
18.30–22.55	11970 (XII)			F. 18.30, 22.00, P. 19.15 E. 19.00, 22.45
23.00–01.15	9625 (XIII)			P 23.30, F. 00.00
23.00–03.00	11970 (XIV)			Sp. 01.00, 02.30
00.00–02.00	9730 (VIII)			E. 01.15, 02.45

R. CONARKY, Fr. Guinea: Add 6155 kc/s 0.25 kW. Evening progr.: 18.30–21.30 daily. – **N. in F.:** 12.30, 19.45. – **In Vernaculars** (Malinké, Soussu, Foulah): 18.30–19.45. – **African Music:** 18.30, 19.00, 19.30. **INT.-SIG.:** First movements of »Marouf« by H. Babaud. At opening of transmissions: First movements of »Veronique« by A. Messager. **F. PL.:** 4910 kc/s 4 kW from January 1957, 6155 kc/s 1kW.

GERMANY: Norddeutscher Rundfunk Home Service Medium Wave Prgr. on 6075 kc/s 49.38 m 20 kW.

BBC, GT. BRITAIN: The list of Voice of America relays in Gt. Britain by the B.B.C. is on page 117 after the VOA schedule.

SAO TOME: Local Time: GMT (Su. 1 h. ahead of GMT).

SAUDI ARABIA.
ADDR.: Director General Broadcasting and Press Directorate, Djeddah. **Cable:** Broadcasting Djeddah. – **L.P.:** Dir. Gen.: H. E. Sheikh Abdulla Bilkhair. Prgr. Dir.: Mr Ghanem el Dagani. Dir. Press of Inform.: Seif el Din Ashur. Chief Eng.: A. J. Andreou. – **STATIONS** (D=Day. N.=Night): – **Local.** D., N.: 725 kc/s 413.8 m. – **Medina, Yemen:** D., N. 3990 kc/s. – **Pakistan, Indonesia:** 11950 kc/s 25.10 m. – **Syria, Lebanon:** D. 11850 kc/s 25.32 m. N.: 9875 kc/s. 30.34 m – **Egypt:** D. 11950 kc/s 25.10 m. – **N.:** 9650 kc/s 31.09 m. – **Iraq.:** D. 11750 kc/s 25.50 m. N.: 9750 m 30.77 m. – **Riyadh, Eastern S. Arabia:** 5975 kc/s 50.21 m. – **D. PRGR.: Arabic:** Night frequencies: 04.30–05.45, 17.30–19.45. Day frequencies: 11.30–14.00. – **Indonesian:** 14.30–15.10 on 11950 kc/s. – **Urdu:** 15.30–16.10 on 11950 kc/s. – **ANN.: Home Service:** "Huna Macca, Dar el Izaa el Arabiyeh el Seoudiyeh" **Foreign Service:** Disini Mecca (Indonesian). "Markaz nashr iza'a Macca muazamah" (Urdu). – **INT. SIG.:** Call to prayer (az'an) played on flute. – **VER.** by letter. – **F.PL.:** M.w. 50 kW April 1957. S.w. 10 kW december 1956. – **PUBLICATION:** Monthly Magazine in Arabic.

RADIO NACIONAL DE ESPANA: Number of listeners: 1.300.000. **L.P.:** Correct the following names: D. Ernesto Fernandez Marrero: Chief of News. – D Enrique Franco Manera: Chief Music. – D. Anibal Arias Ruiz: Chief Dept of General Coordination. – D. Enrique Frax Arias: Chief Adm.
HOME SERVICE:
Madrid-Arganda: 585 kc/s 150 kW – 1025 kc/s 5/50 kW. – 6000 kc/s 50 kW.
1 Prgr.: 1025 kc/s 5 kW: 07.00–12.00. 6000 kc/s 50 kW: 07.30–12.00 **N.:** 07.00–08.00. – La Santa Misa"" from the church Buen Sucaso: Sun. 09.00.
Prgr. Nacional: 585 kc/s: 12.00–24.00. 1025 kc/s 5 kW: 12.00–21.15. 6000 kc/s 12.00–16.55. – **N.:** 13.30, 21.00, 23.30.
3' Prgr.: 1025 kc/s 5 kW. 6000 kc/s: 21.30–23.30.
Sp. Guinea, Canary Isl., W. Africa: 9677 kc/s: 15.45–16.00.
Add.: FM 93 mc/s 0.5 kW. – **Adresses: Barcelona:** Av. José Antonio no 645. – **La Coruña:** Monte de Santa Margarita. – **Cuenca:** Sanchez Vera no 13. – **Huelva:** Gran via no 2. – **Malaga:** Muelle de Heredia no 10 (short wave: Gibralfaro). – **Sevilla:** San Pedro Martir no 14. – **Valencia:** Baron de Cárcer.
ANN.: Radio Nacional de Espana, desde dus estudios en Madrid.
EUROPEAN SERVICE: Correct **Rumanian:** 19.00–19.20.
OVERSEAS SERVICE: Correct: Spanish to Philippines: 11.00–11.45 in 25 and 19 m.b.
Spanish to Latin America: Addr.: N.: 00.05, 02.00. – **Sp. Music:** Mo. 00.30. Wed. 01.30, 02.30. Fri. 00.30. Sat. 00.30. Sun. 02.15. – **ANN.:** Radio Nacional de Espana, desde sus estudios en Madrid".
Publication: Monthly "Resumen de Actividades".
TELEVISION, Spain.
Number of TV-receivers: 400 (controlled). – **L.P.:** Correct the following names: Chief Engineer: D. Joaquin Sánchez Cordobés. Dir. Prgr.: D. José Luis Colina Jiménez. – **STATIONS:** Correct video 1.5, audio 0.75 kW. **D. PRGR.:** Sun. 19.30–23.35. W.: 20.30 approx.

SHORT WAVE MAGAZINE

One of the world's leading Amateur Radio publications covering transmission, reception, operating results, competitive working, design and construction. Regular features include "DX Commentary" and "VHF Bands", outstanding in their fields.

Monthly, 64 pages. Subscription 24s. post free. 24.75 Danish Kr., 3.65 American dollars, 15.55 Swiss francs.

SHORT WAVE MAGAZINE LTD.,
55, Victoria Street, London S.W.1, England.

22.30 (Sat. 23.00). – **Projected Stations:** Barcelona, Valencia, Bilbao, Sevilla, La Coruna, Vigo, Zaragoza, Valladolid, Santander, Malaga.

SYRIA: Languages: Arabic, French, English. French & English (Home Service) on 602/719/9555 kc/s.

UNITED NATIONS (Winterschedule).
N. & W. Europe: Mo.–Fri. 17.00–17.30 WBOU 21540 kc/s: N. in Finnish, Danish, Dutch (Belgium), Fr. (Belgium), Fr. (U. N. Magazine).
Europe & M. East I.: Mo.-Fri.: 18.00–18.30, N. in Hebrew, Turkish, Greek: 19.00–20.00: N. in G. (Austria), E. (Prgr.), P., Dutch, Serbo-Croat, Danish, Hungarian. On WDSI 21570, WBOU 15230, HEU2 9520 kc/s.
No. Africa & M. East I: Mo.-Fri. 18.30–19.00. WDSI 21570, WBOU 15230, Tangier 17840, HEU2 9520 kc/s. N. in Arabic.
East & C. So. America: Mo.-Fri. 23.00–23.30. WDSI 15270, WBOU 11870, WGEO 9530 kc/s. N. in Spanish.
C. W. So. America & Carribean: Tues.-Sat. 02.00–03.00. KNBH 15250, 11870. WLWO 11900, 9725 kc/s. N. in Sp. (02.00–02.50), E., Fr. 02.50, 02.55.
No. Africa & M. East II: Tues.-Sat. 03.00–04.00. WLWO 15330, 11810, 9545. Tangier 11785, 9740, 7235 kc/s. N. in Hebrew, I., Duri, Persian, Arabic, Amharic.
So. W. Pacific: Tues.-Sat. 03.00–03.15. KNBH 21460, 17830 kc/s. N. in E.
So. East Asia: Tues.-Sat. 10.00–10.30. Manila 15270, 11960 kc/s. N. in E., Indonesian, Thai, Tagalog.*
Far East: Tues.-Sat. 10.30–11.00. Manila 15270, 11960 kc/s. N., Prgr. in Chinese*.
* The S. E. Asia & F. E. prgrs. are transmitted to Manila at 07.00–08.00 on 15250/9600/11710 kc/s (KNBH, KCBR, KNBH).
Ceylon, India, Pakistan: Tues.-Sat. 12.00–12.30. Tangier 21460, 25890. Colombo 7110, 11875 kc/s. Prgr. in E. exc. Wed. 12.15–12.30 in Urdu**.
** On Sat. this prgr. will be heard from 11.45–12.30 (Singhalese, Hindi, Urdu & 12.15 English). This prgr. is transmitted to Tangier on WLWO 17895/21515 kc/s.
Eastern Europe from United Nations Information Centre Geneva, Switzerland: Mo.-Fri. 15.45–16.10. HEU2 9520 kc/s. Prgr. in Russian.
Broadcast of Meetings of the General Assembly and the Security Council when in session: Europe, N. Africa, M. East: A. M. meetings 15.30–18.00. WDSI 21570 kc/s. **P. M. meetings:** 20.00–22.30 WBOU 15230 kc/s. 20.15–24.00 Tangier 9635 kc/s. 22.15–24.00. WLWO 9685 kc/s. 22.15–24.00 WLWO 11970 kc/s.
East, C. & W. So. America: A. M. meetings: 15.30–18.00 on WDSI 15270 kc/s. **P. M. meetings:** 20.15–24.00. On WDSI 15210 kc/s.

YUGOSLAVIA: (Radio Beograd).
Local Time: 1 h. ahead of GMT. **Language:** Serbocroatien.
ADDR.: Radio Beograd, Hilendarska 2, Beograd. – **L.P.:** Dir. General Radio and Television: Mirko Tepavac. Dir. Prgr.: Radenko Dovijanic. Dir. Adm.: Dusan Vuckovic. Dir. Tec.: Rodoljub Zizic. Dir. Foreign Relations: Gradimir Marinkovic. Chief-Editor of Journalist section: Slobodan Bosiljcic. Chief-Editor of Cultural section: Vlada Pesić.

Stations:	kc/s	m	kW		kc/s	m	kW
R. Beograd	683	439	150	R. Zagreb	1133	264.7	130
R. Beograd	6100	49.18	100d.	R. Ljubljana	917	327.1	130
R. Beograd	7200	41.67	100d.	R. Novi Sad	1268	236.6	100

HOME SERVICE

D.PRGR.: R. Beograd 683 kc/s: 04.30–23.00. Radio Beograd, Zagreb and Novi Sad transmit a joint prgr. from 19.00–21.00. – **N.:** 05.15, 09.00, 12.00, 14.00, 16.00, 21.00, 23.00. – **Time Sig. and Weather reports:** After N.
ANN.: "This is R. Beograd – Ovde R. Beograd."

FOREIGN SERVICE

Bulgarian:	18.00–18.30	on 6100, 7200 kc/s.
English:	18.30–18.45	on 6100, 7200 kc/s.
	22.15–22.30	on 917, 1268 kc/s.
French:	19.30–19.45	on 6100, 7200 kc/s.
	22.00–22.15	on 917, 1137 kc/s.
German:	17.30–18.00 / 20.45–21.00	on 6100, 7200 kc/s.
Russian:	17.00–17.30 / 19.00–19.30	on 6100, 7200 kc/s.
Polish:	19.45–20.00	on 6100, 7200 kc/s.
	22.00–22.15	on 1268, 7200 kc/s.
Spanish:	21.30–22.00	on 6100 kc/s.
	22.30–22.45	1268, 6100 kc/s.

ANN.: "This is Yugoslavia, Radio Beograd calling." – **VER.** by QSL-card. – **F.PL.:** We contemplate uniting our radio-services, and are engaged in the technical relations with all the big radiostations in our country. Expansion of the common prgr. for R. Beograd, Zagreb and Novi Sad. – **Publication:** "Yugoslovenski Radio."
Number of licensed listeners for Radio Beograd: 235.000.

DX-PROGRAMMES
Australia: »R. Australia«. – **Denmark:** Danish State Radio. – **Japan:** Nihon Shortwave Broadcasting Company. – **New Zealand:** R. New Zealand. – **Sweden:** »R. Sweden« & »Ibra Radio«. – **Switzerland:** Swiss Shortwave Service. – **U.S.A.:** »R. Boston« (Station WRUL).

LONG- AND MEDIUMWAVES: Add: 922 kc/s 325 m 2 kW Paphos, Cyprus. – 1484 kc/s 202 m 0.25 kW Limassol, Cyprus.

TIME TABLE: British and Rep. Honduras: Summertime $5^1/_2$ h. behind GMT. – **Alaska:** Fairbanks, Anchorage GMT.+10 h. – **Cambodia:** GMT.+7 h. – **Greenland:** Thule GMT.+4 h. – **Laos:** GMT.+7 h.

COOPERATING SHORTWAVE CLUBS

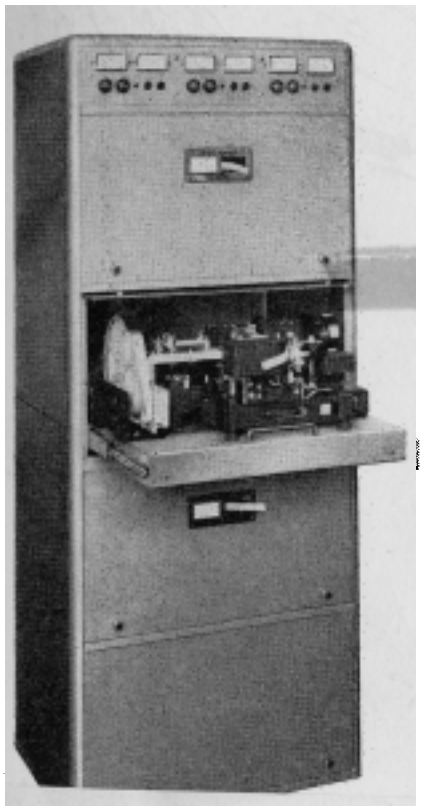
Austria: Austrian DX-Club, Landgutgasse 41/19, Vienna. – **Denmark: "Det nye Radioblad"s DX Club,** Vigerslev Allé, Valby. – **Finland: Helsingfors DX Club,** Poste Restante, Helsingfors (Publ.: Attention). – **France: Club des Auditeurs de la Radio Mondiale** (Carm.), 1 rue Pasteur, Juvisy-sur-Orge, Seine-et-Oise. – **Gt. Britain: International Radio Short Wave Club,** 100 Adams Gardens Estate, London SE 16 (Publ.: International Short Wave Radio). – **The International Short Wave League,** 86, Barrenger Road, London N 10 (Publ.: Monitor). – **Japan: Japanese Short Wave Club,** Sendai (Publ.: SW-DX Guide). – **New Zealand: N.Z. DX Radio Association** (Inc.), Headquarter: 3 Portage Rd. via New Lynn S.W.4, Green Bay, Auckland, N.Z. Publication "Tune In": 71 Lorna St., New Plymouth, N.Z. – **N.Z. Radio DX League,** Headq., 15, Plunket St., Dunedin S. 2. Official Publ.: "New Zealand DX-Times", 111 Tay Street, Invercargill. – **Norway: DX-Listeners Club,** Nøtterøy (Publ.: DX-News). – **Sweden: DX-Alliansen,** Arne Skoog, Ridvägen 14, Danderyd. – **Göteborgs DX Klubb,** Intagsgatan 8 n.b. Gothenburg Ö (Publ.: G DX-aren). – **Malmö Kortvågsklubb,** Postfack 7026, Malmö (Publ.: Malmö DX-aren). – **Radioklubben Universal,** Klörupsvägen 144, Trelleborg (Publ.: Etersvep.). – **Svalans DX-Club,** Kärgatan 6, Helsingborg. – **DX-Club Tellus,** Rustkammarbacken, Söderhamn. – **Sveriges Radioklubb,** Box 5083, Stockholm 5. (Publ.: DX-Radio). – **U.S.A.: Newark News Radio Club,** 215, Market Street, Newark I, N.J. (covers all DX-SW., Ham., B.C.B. etc.). – **National Radio Club,** RDI Lake City, Penna (covers BCB only). – **Universal Radio DX Club,** 21446 St., Hayward Calif. (Publ.: Universalite) covers SW., Ham. – **Association of Mid-West SWL's** 1752 Cornelia Ave., Chicago 13, Illinois. (Publ.: A-SWL).

REPRESENTATIVES AND COLLABORATORS:

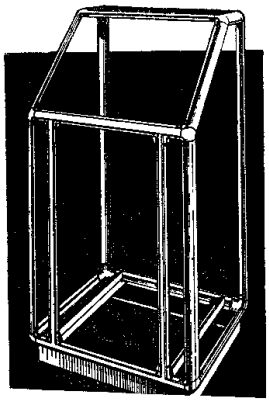
Wm Dawson and Sons Ltd., Cannon House, Macklin Street, London WC2. – (Sole agents). – *Surridge, Dawson and Co. Ltd.,* 101 Southwark Street, London SE1 (Gt. Britain).
Africa: East, Central, Southern Africa: *Anthony W. Goodmann,* P.O. Box 5003, Nairobi, Kenya. – **Australia:** *Stanley Young (Sydney) Pty Ltd.,* 94 Bathurst Street, Sydney. DX-Editor: G. Hutchins, Ashburton, Victoria. – **Austria:** *Dr. J. Sahliger,* Wien Perchtoldsdorf. – **Belgium:** *Agence et Messageries de la Presse,* Rue du Persil 14 a 22, Bruxelles. – **Chile:** *Paul J. Zschau,* Huerfanos 725, 4° Piso, Santiago. – **Colombia:** *Eng. Henrik A. Langebeck,* Apartado Nacional 2605 y Apartado Aereo 6287, Bogota. – **Denmark:** *Berlingske Forlag,* Heimdalsgade 32, Copenhagen. – J. M. Frost, Sallingvej 41, st. th., Copenhagen F. – **France:** Messagerie du Livre, 166 rue du Bac, Paris VII. – R. Mercier, 1 rue Pasteur, Juvisy-sur-Orge. – G. Vukovich, Camp Jeumont, Pallice. – **Germany:** Hans Bredow Institut, Rothenbaumchaussee 5III, Hamburg 13. – A. C. Krieger, DX-editor, Deutsche Welle, Köln. – F. Büttner, Göppingen. – H. Jäger, Recklinghausen. – Chr. Lehmann, Nassau/Lahn. – **Gt. Britain:** Ron D. Young, Chelmsford. – **Holland:** *J. R. Aalberts,* Lijsterbeslaan 35, Hilversum. – A. Vreeken, Bonairestraat 2hs Amsterdam. – **Ireland:** Patrick Cody, Loran, Roscrea. – Brendon Hayes, Dublin. – **Italy:** *Edizione Italiana,* Via Arsenale 26, Torino. – **Japan:** *Kyo Bun Kwan,* 2 Ginza 4-chome, Tokyo.. – K. Wada, Kitagobancho 48, Sendai. – **New Zealand:** Technical Books, 11 Walter Street, Wellington. – Arthur T. Cushen, 212, Earn Street, Invercargill. – **Norway:** *A/S Narvesens Kioskkomp.,* Oslo. – S. O. Dalen, Nötteröy. – **Philippines:** *T. J. Wolff & Comp., Inc.,* 174, Juan Luna, P.O. Box 920, Manila. – **Portugal:** *Radio Nacional, Programa Official da Emissora Nacional,* 5 rua Dr. Almeida e Albuquerque, Lisboa. – **Spain:** *Editorial Enciclopedica,* Apartado 10006, Madrid. – **Sweden:** A. Skoog, Danderyd. – T. Olsson, Göteborg. – *Importbokhandel,* Regeringsgatan 39, Stockholm. – **Switzerland:** *Chr. Kobelt,* Schweizer Radio-Zeitung, Zürich. – **U.S.A.:** *Gilfer Associates,* P.O. Box 239, Grand Central Station, New York 17, N.Y. – S. Scheiner, Atlantic City, USA. – **Venezuela:** *Distribuidora Santiago C. A.,* Apartado 2589, Caracas.
Representatives for Advertisements: – Great Britain: Dennis W. Mayes Ltd., 69 Fleet Street, London, E.C.4.

THE DANISH SOCIETY Representatives:

Belgium: Institut Danois, Avenue Louise 18, Brussels. **France: Institut** Danois, 36 Av. nu Marechal Foch, Lyon. **Great Britain:** The Danish Institute, Manchester. – The Danish Institute, 79 Hamilton Drive, Glasgow W.2. The Danish Institute, 96 Appleby Lodge, Manchester 14. **Holland:** Het Deense Instituut, Jan Luykenstraat 6, Amsterdam Z. **Switzerland:** Dänisches Institut, Stockerstrasse 23, Zürich 2.

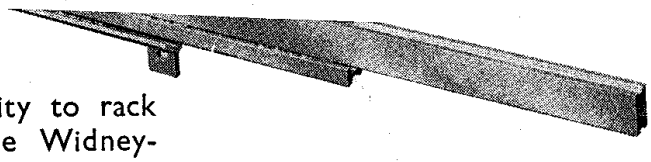


Widney-DORLEC CABINET SYSTEM

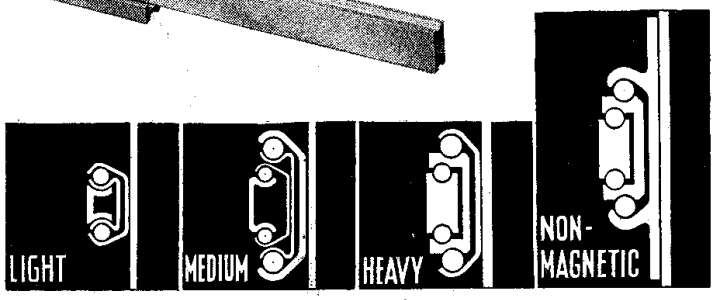


offers the most convenient means of building modern fully radiused cabinets without the need for special tools. We also specialise in the production of cabinets designed to individual requirements, ranging from single units to complete installations, including automatic and manual transmitters, and receivers for all Standard Teleprin-

Pag.170. REPRESENTATIVES AND COLLABORATORS:
Add: Greece - Anthony L.Coundakis,Athens.
U.S.A. - Ken Boord,Morgantown,W.Virginia.
Roger Legge,McLean,Virginia.



For complete accessibility to rack mounted equipment the Widney-Dorlec Telescopic Mountings enable units weighing several hundreds of pounds to be taken out with ease. Mountings can be supplied in any lenght with links fixing brackets and screws to your requirements.



Write for the Widney-Dorlec Catalogue.

HALLAM, SLEIGH & CHESTON LTD. BIRMINGHAM 4 . ENGLAND

TELEGRAMS & CABLES: "SUPERFINE" BIRMINGHAM . ENGLAND

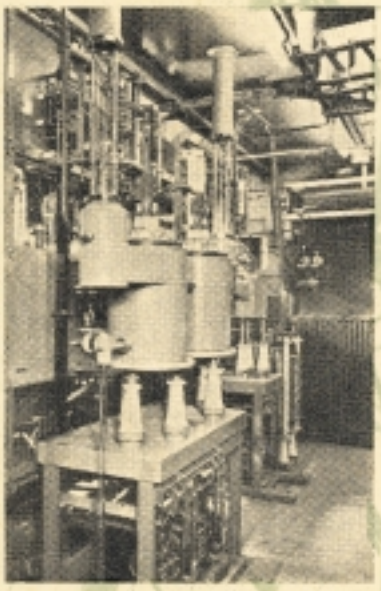
Advertisement Hallam Sleigh & Cheston

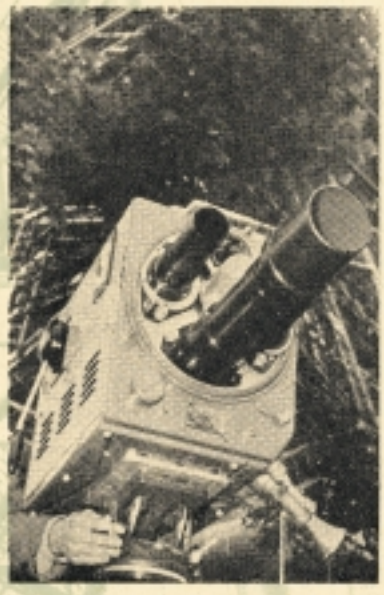
RADIODIFFUSION

à Système
VAPODYNE

TELEVISION

à haute
definition





THOMSON CFTH HOUSTON

Cie Fse THOMSON-HOUSTON · GROUPE ÉLECTRONIQUE · 173, BOULEVARD HAUSSMANN, PARIS (VIIIe)

advertisement Thomson Houston